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1970 / 1971 Catalog Issue

LEBANON VALLEY COLLEGE

bulletin

Lebanon Valley College Bulletin. Published four times yearly by Lebanon Valley College, Annville, Pennsylvania 17003

Volume III, Number 4,
Winter, 1969

The provisions of this bulletin are not to be regarded as an irrevocable contract between the student and the College. The College reserves the right to change any provisions or requirements at any time within the student's term of residence.

Second class postage paid
at Annville, Pennsylvania 17003

CALENDAR 1969

JANUARY							FEBRUARY							MARCH							APRIL							
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CALENDAR 1970

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COLLEGE CALENDAR 1969/1970

First Semester

1969

Sept.	4, 5	Thursday, Friday	Faculty Retreat
	6	Saturday	Board of Trustees Retreat
	8-10	Monday through Wednesday	Orientation for new students
	9, 10	Tuesday, Wednesday	Registration
	11	Thursday, 8:00 a.m.	Classes begin
	11	Thursday, 11:00 a.m.	Opening College Convocation
Oct.	7	Tuesday, 11:00 a.m.	Religion and Life Lecture
	25	Saturday	Homecoming Day
	28, 29	Tuesday, Wednesday	Balmer Showers Lectureship
Nov.	5	Wednesday	Mid-semester grades due
	8	Saturday	Board of Trustees meeting
	26	Wednesday, 1:00 p.m.	Thanksgiving vacation begins
Dec.	1	Monday, 8:00 a.m.	Classes resume
	3-10	Wednesday through Wednesday	Pre-registration for 2nd semester
	19	Friday, 5:00 p.m.	Christmas vacation begins

1970

Jan.	5	Monday, 8:00 a.m.	Classes resume
	9	Friday, 5:00 p.m.	Classes end
	10-13	Saturday through Tuesday	Reading period
	14-20	Wednesday through Tuesday	First semester examinations
	20	Tuesday, 5:00 p.m.	First semester ends

Second Semester

Jan.	26	Monday	Registration
	27, 28	Tuesday, Wednesday	All-College Symposium
	29	Thursday, 8:00 a.m.	Classes begin
Feb.	24	Tuesday, 11:00 a.m.	Founders' Day
	27-Mar. 8	Friday through Sunday	Concert Choir Tour
Mar.	9-12	Monday through Thursday	Religious Emphasis Week
	20	Friday, 5:00 p.m.	Easter vacation begins
	31	Tuesday, 8:00 a.m.	Classes resume
Apr.	7	Tuesday	Phi Alpha Epsilon Day
	12	Sunday, 3:00 p.m.	Spring Music Festival, Symphonic Band
	21	Tuesday, 11:00 a.m.	Religion and Life Lecture
	22-29	Wednesday through Wednesday	Pre-registration for 1st semester, 1970-1971, and Summer Session, 1970
May	26	Sunday, 3:00 p.m.	Spring Music Festival, Chorus and Orchestra
	2	Saturday	Alumni Day
	9	Saturday	Spring orientation for incoming freshmen
	12	Tuesday, 11:30 a.m.	Awards and Recognition Day
	15	Friday, 5:00 p.m.	Classes end
	16-19	Saturday through Tuesday	Reading period
	20-26	Wednesday through Tuesday	Second semester examinations
	26	Tuesday, 5:00 p.m.	Second semester ends
	29	Friday	Board of Trustees meeting
	31	Sunday, 9:00 a.m.	Baccalaureate Service
	31	Sunday, 11:00 a.m.	101st Annual Commencement

1970 Summer Session: June 15-August 7

CALENDAR 1970

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CALENDAR 1971

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COLLEGE CALENDAR 1970/1971

First Semester

1970	Sept. 10, 11 Thursday, Friday Faculty Retreat
	12 Saturday Board of Trustees Retreat
	14-16 Monday through Wednesday Orientation for new students
	15, 16 Tuesday, Wednesday Registration
	17 Thursday, 8:00 a.m. Classes begin
	17 Thursday, 11:00 a.m. Opening College Convocation
Oct.	6 Tuesday, 11:00 a.m. Religion and Life Lecture
	27, 28 Tuesday, Wednesday Balmer Showers Lectureship
	31 Saturday Homecoming Day
Nov.	7 Saturday Board of Trustees meeting
	11 Wednesday Mid-semester grades due
	25 Wednesday, 1:00 p.m. Thanksgiving vacation begins
	30 Monday, 8:00 a.m. Classes resume
Dec.	2-9 Wednesday through Wednesday Pre-registration for 2nd semester
	18 Friday, 5:00 p.m. Christmas vacation begins

1971	Jan. 4 Monday, 8:00 a.m. Classes resume
	15 Friday, 5:00 p.m. Classes end
	16-19 Saturday through Tuesday Reading period
	20-26 Wednesday through Tuesday First semester examinations
	26 Tuesday, 5:00 p.m. First semester ends

Second Semester

Feb.	1 Monday Registration
	2, 3 Tuesday, Wednesday All-College Symposium
	4 Thursday, 8:00 a.m. Classes begin
	23 Tuesday, 11:00 a.m. Founders' Day
Mar.	8-11 Monday through Thursday Religious Emphasis Week
	19-28 Friday through Sunday Concert Choir Tour
	30 Tuesday Phi Alpha Epsilon Day
Apr.	2 Friday, 5:00 p.m. Easter vacation begins
	13 Tuesday, 8:00 a.m. Classes resume
	20 Tuesday, 11:00 a.m. Religion and Life Lecture
	21-28 Wednesday through Wednesday Pre-registration for 1st semester, 1971-1972, and Summer Session, 1971
May	25 Sunday, 3:00 p.m. Spring Music Festival, Symphonic Band
	1 Saturday Alumni Day
	8 Saturday Spring orientation for incoming freshmen
	9 Sunday, 3:00 p.m. Spring Music Festival, Chorus and Orchestra
	18 Tuesday, 11:00 a.m. Awards and Recognition Day
	21 Friday, 5:00 p.m. Classes end
	22-25 Saturday through Tuesday Reading period
June	1 Wednesday through Tuesday Second semester examinations
	1 Tuesday, 5:00 p.m. Second semester ends
	4 Friday Board of Trustees meeting
	6 Sunday, 9:00 a.m. Baccalaureate Service
	6 Sunday, 11:00 a.m. 102nd Annual Commencement

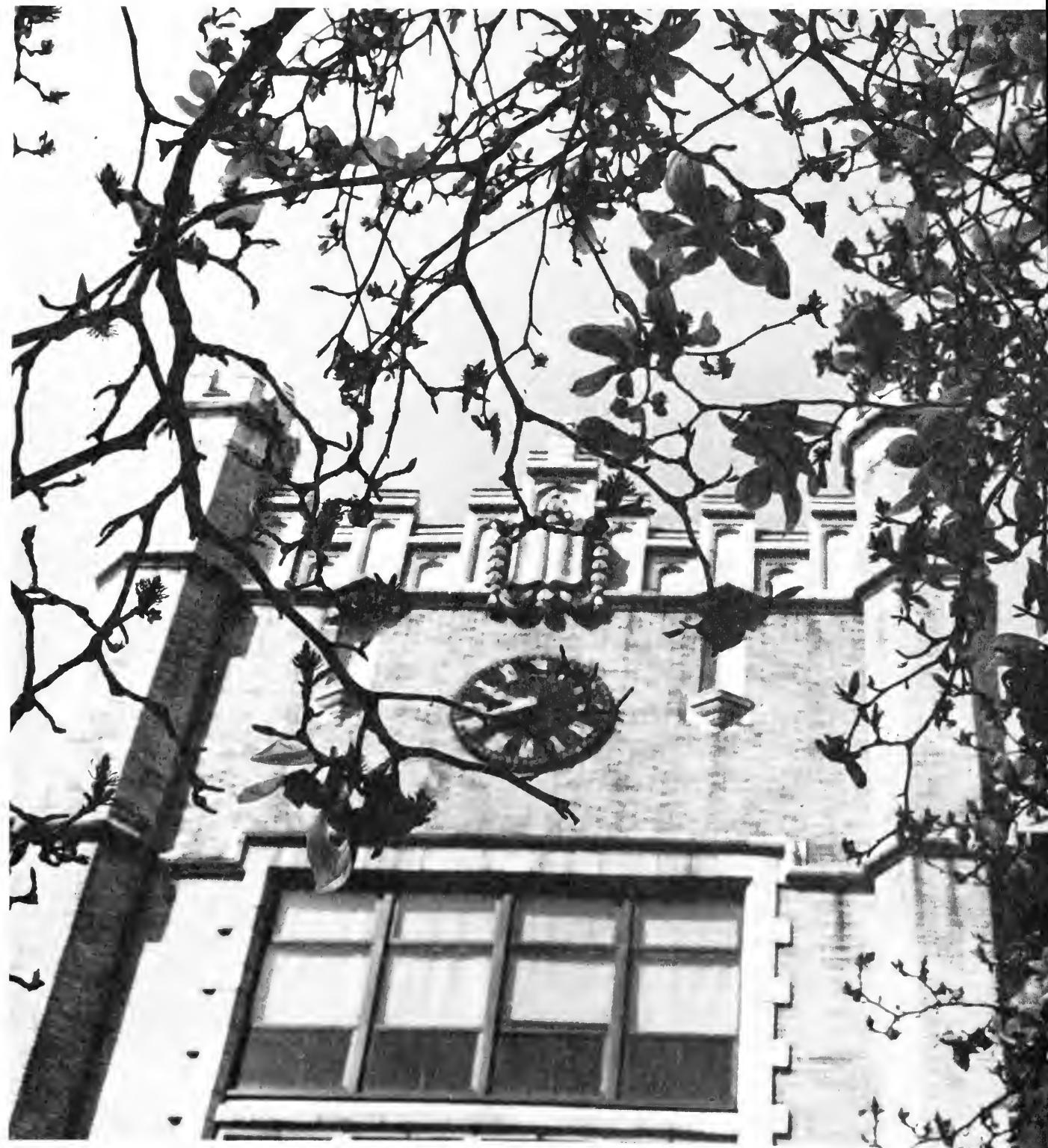
1971 Summer Session: June 14-August 6



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College Profil



COLLEGE HISTORY

Officials of the East Pennsylvania Conference of the Church of the United Brethren in Christ were acutely embarrassed in the spring of 1866. Five public-spirited citizens of the town of Annville had come to Conference on February 22 and offered as a gift the Annville Academy building on Main Street, which they had bought for \$4,500, providing that the Conference would establish and maintain here forever an institution of learning of high grade. The gift was accepted. The name Lebanon Valley College was chosen. It was decided to lease the property to some one qualified to operate a school. The opening date was set — May 7. Planning then came to stop, for they could find no one to take the lease.

That was the situation seven weeks before the opening date, according to George Washington Miles Rigor, whose short account is the earliest extant history of Lebanon Valley College. There was no college graduate in the whole Conference, and a poll of Otterbein College graduates failed to turn up a prospect. Rigor, a United Brethren minister who had attended college for only three years, stepped into the breach. He enlisted the cooperation of a neighbor, Thomas R. Vickroy, a Methodist minister and graduate of Dickinson College. They took over the lease as partners for the next five years, Vickroy to run the school and Rigor to act as Agent. The building was readied and Lebanon Valley College opened on May 7, as scheduled, with 49 students enrolled. From its first day it was coeducational.

President Vickroy's term was marked by action. Eleven acres were added to the "lot and a half of ground" conveyed by the original deed. A spacious four-story building was erected. A charter was granted by the Com-

monwealth of Pennsylvania. A faculty was hired. A complete college curriculum was established, based on the classics but including music and art, and two classes were graduated before Vickroy gave up his lease in 1871. The College was not leased again but continued operations through a Board of Trustees.

The five presidents during the next 25 years had great difficulty in keeping the College afloat, due to lack of support ranging from open opposition to disinterested apathy. There was some progress. A library was established in 1874, and a college newspaper appeared in 1888. However, in the fall of 1896, the school was debt-ridden, living from hand to mouth, with an enrollment of only 80.

The administration of President Hervin U. Roop, starting in 1897, marked the first real period of expansion. Under his leadership, five new buildings were erected, including a library donated by Andrew Carnegie, and the Administration Building was re-built after the disastrous fire of Christmas Eve, 1904. By 1905, enrollment had soared to 470, with a faculty of 23.

Loss of public confidence and financial support prompted Roop's resignation in 1905 and the College faced its darkest days. Bankruptcy was averted by the keen business sense and generosity of President Lawrence Keister, who served from 1907 to 1912.

President George D. Gossard finally gave the College stability when he achieved for it accreditation and a million dollar endowment fund, the income from which was to form the financial cushion dreamed of by all the presidents before him. By the end of his 20-year term in 1932, there were 653 students and 32 faculty members. Most important, the Conservatory of Music was accredited by the Commonwealth for its program in Public School

Music, marking the start of an outstanding academic department.

Following Dr. Gossard's death in 1932, Clyde A. Lynch faced a series of external crises which lasted throughout his 18 years as president. The stock market crash shrank the handsome endowment raised by his predecessor. The Depression of the 1930's reduced the enrollment and World War II shrank it still further; the post-war influx of G.I.'s then stretched it to more than capacity. In spite of these trials, Dr. Lynch's administration began buying property adjacent to the campus to allow for future expansion. It also raised over a half million dollars, part of which was to be used for a new physical education building. This building, still unfinished at the time of Lynch's death in 1950, was named in his honor upon completion.

The twelfth president of the College, Fredric K. Miller, served for almost 17 years. During his term, inflation caused mushrooming costs, but the so-called "Tidal Wave of Students" made possible selective admissions. The greatest physical expansion in the history of the College occurred, with seven new buildings erected and several renovated. Two major fund-raising drives were concluded successfully. Enrollment increased by 60%, with a corresponding increase in faculty and administrative staff. The Centennial of the founding of the College was observed by a year-long series of events.

On April 1, 1967, Dr. Miller retired, and Allan W. Mund, President of the Board of Trustees, became Acting President. It was not until February 3, 1968, that Frederick P. Sample was selected by the Board to become thirteenth president of Lebanon Valley College. When Dr. Sample assumed office on September 1, 1968, Lebanon Valley College faced its second century as a fully-accredited, church-related, coeducational college of the liberal arts and sciences, occupying a 35-acre campus of 26 buildings, and supporting an enrollment of 900 and a full-time faculty of 58.

Just as the College has changed through the years, so has the Church of the United Brethren in Christ which gave it birth and offered its support. Organized in 1800 as the

first Christian church indigenous to the United States, the denomination merged with the Evangelical Church to become the Evangelical United Brethren Church in 1946. April, 1968, this body joined with the Methodist Church to form the United Methodist Church.

In looking to its second century, Lebanon Valley College is very conscious of the dream of its forefathers that it be "an institution learning of high grade." It aims to be essentially what it is now, a relatively small college of the liberal arts and sciences that takes historic Christian origin and current relationship seriously.

Presidents of Lebanon Valley College

Rev. Thomas Rees Vickroy, Ph.D.	
1866-1871	
Lucian H. Hammond, A.M.	
1871-1876	
Rev. D. D. DeLong, A.M.	
1876-1887	
Rev. E. S. Lorenz, A.M., B.D.	
1887-1889	
Rev. Cyrus J. Kephart, A.M.	
1889-1890	
E. Benjamin Bierman, A.M., Ph.D.	
1890-1897	
Rev. Hervin U. Roop, A.M., Ph.D., LL.D.	
1897-1906	
Rev. Abram Paul Funkhouser, B.S.	
1906-1907	
Rev. Lawrence Keister, S.T.B., D.D.	
1907-1912	
Rev. George Daniel Gossard, B.D., D.D., LL.D.	
1912-1932	
Rev. Clyde Alvin Lynch, A.M., B.D., D.D., Ph.D., LL.D.	
1932-1950	
Frederic K. Miller, M.A., Ph.D., Litt.D., D.H.L. D.Pd., LL.D.	
Acting President 1950-1951	
President 1951-1967	
Allan W. Mund, LL.D.	
Acting President 1967-1968	
Frederick P. Sample, B.A., M.Ed., D.Ed., Pd.D.	
1968-	

ACCREDITATION

Lebanon Valley College is accredited by the following bodies:

Middle States Association of Colleges and Secondary Schools

Department of Education of Pennsylvania

National Association of Schools of Music

American Chemical Society

Lebanon Valley College is a member of the following bodies:

American Council on Education

Association of American Colleges

College Entrance Examination Board

College Scholarship Service

Council of Protestant Colleges and

Universities

Pennsylvania Foundation for Independent Colleges

American Association of Colleges for Teacher Education

Lebanon Valley College is on the approved lists of the Regents of the University of the State of New York and the American Association of University Women.

commitment to the Christian faith and Christian values, and are ordered by the conviction that sincere faith and significant learning are inseparable, that all truth has its origin and end in God, and that therefore learner and teacher alike not only can be, but *must* be free to subject all claims to truth and value, both religious and secular, to the tests of honest and humble inquiry, analysis, reflection, and redefinition. And implicit in this conviction is the correlate that keeping the doors open for exploration and application of Christian truth and value does not bar the way to the exploration of the truth and value to be found in other religious and philosophical traditions of mankind. Finally, in the Christian understanding of man as creature of God is found the basis of the College's concern for all its members as persons, as God-related as well as man-related and world-related beings. Thus through commitment to the ideal of Christian higher education does the College seek to serve the Church and the Christian community which nourishes and sustains it.

In its policy of providing programs of a professional and pre-professional nature, Lebanon Valley College does not seek simply to help educate persons who will make their own useful contribution to the work of the world and to the service of mankind in certain professions and vocation. The College insists that for its students engaged in such preparation the purposes of a Christian liberal education apply completely and must be neither ignored nor deprecated for the sake of technical or utilitarian ends or in the name of pragmatic or material values. Indeed, a liberally educated professional is a more complete person, while through his practice his knowledge and interests are applied and made relevant to the world.

It is in relation to these general principles that the following more specific educational objectives of Lebanon Valley College are to be understood:

1. To provide an opportunity for qualified young people to procure a liberal education and to develop their total personalities under Christian influences.

2. To help provide the church with capable and enlightened leaders, both clerical and lay.
3. To foster Christian ideals and to encourage faithfulness to the Church of the student's choice.
4. To help train well-informed, intelligent, and responsible citizens, qualified for leadership in community, state, and nation.
5. To provide pre-professional students with

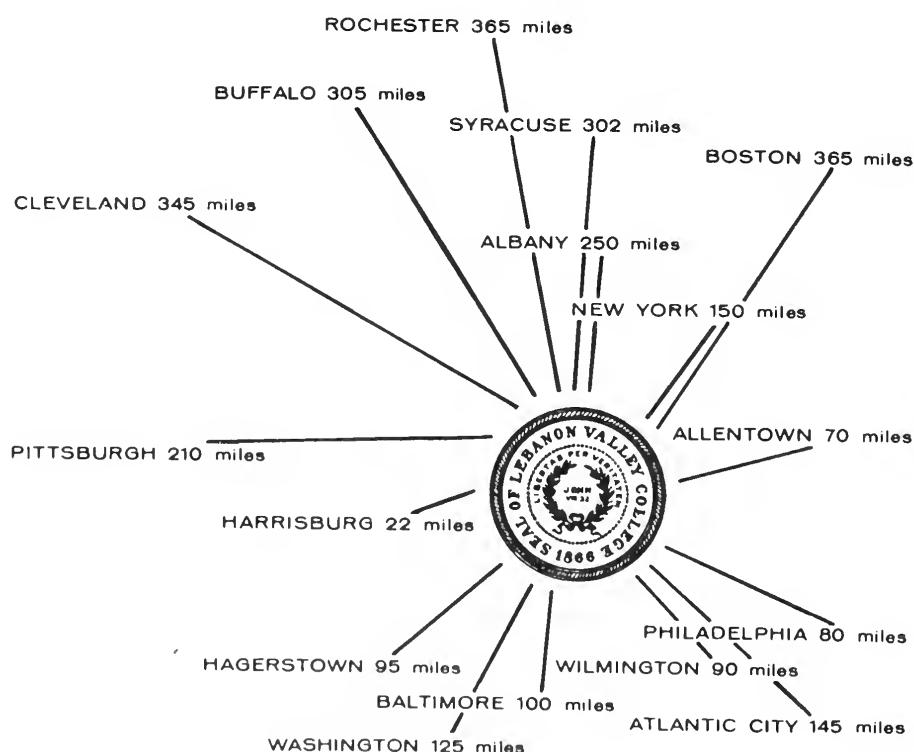
- the broad preliminary training recommended by professional schools and professional associations.
6. To provide, in an atmosphere of liberal culture, partial or complete training for certain professions and vocations.
7. To provide opportunity for gifted students to pursue independent study for the purpose of developing their intellectual powers to the maximum.

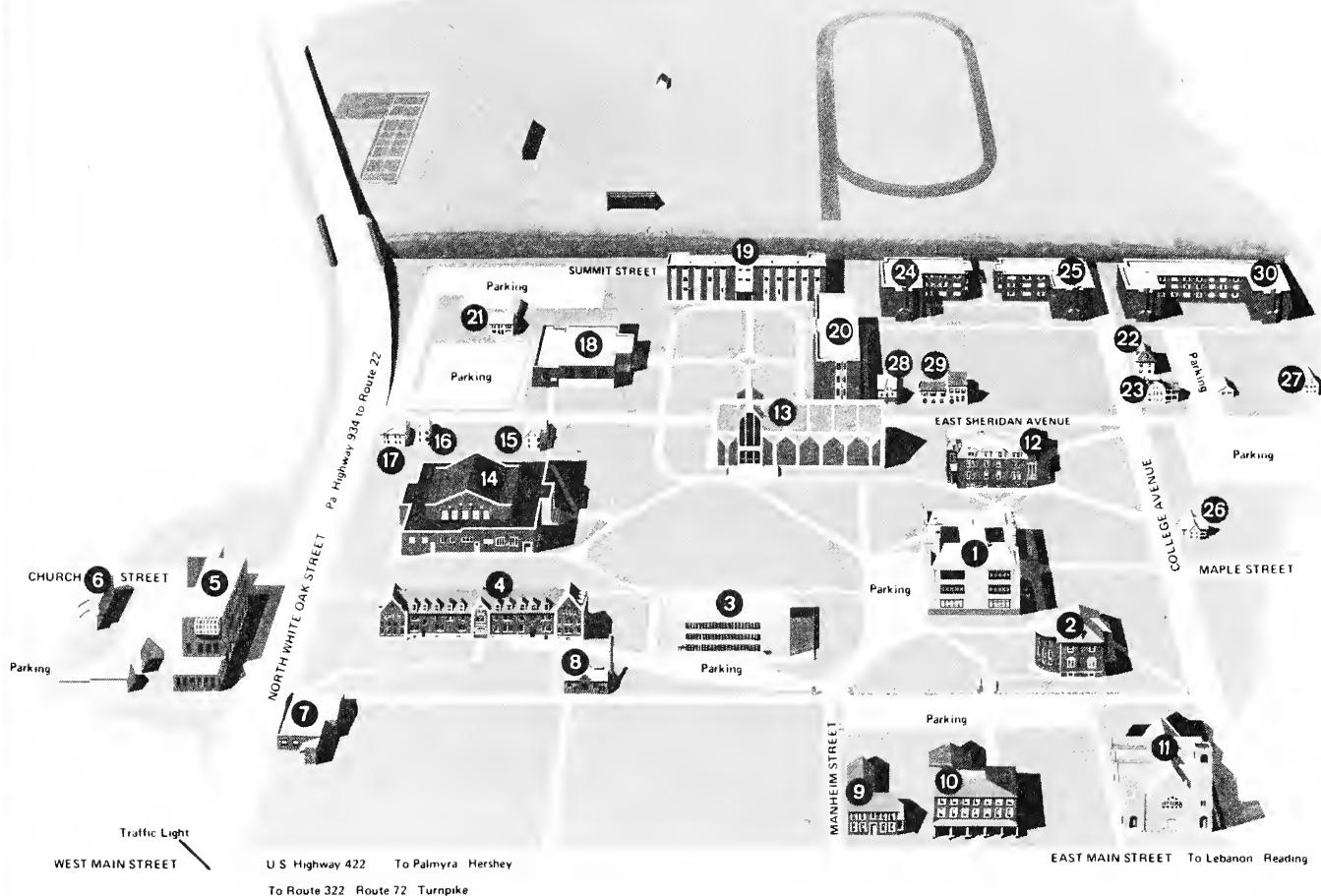
LOCATION AND ENVIRONMENT

Lebanon Valley College is located in Annville, Lebanon County, Pennsylvania, twenty miles east of Harrisburg and five miles west of Lebanon. The campus faces U.S. Highway 422 on the south and Pennsylvania Highway 934 on the west. Lebanon Valley College is accessible from the Pennsylvania Turnpike using the Lebanon-Lancaster Interchange, Pennsylvania Highway 72, and Highway 322.

Bus service between Reading and Harrisburg over Highway 422 provides rail and air connections at Harrisburg for Philadelphia, New York, Baltimore, Washington, Pittsburgh, and other major cities.

Annville is a residential community of about 3,500 people situated in the agricultural country of the Pennsylvania Germans. Of historical significance in nearby areas are the Cornwall Charcoal Furnace, which dates back to 1742 and which supplied cannonballs for Washington's army, and the adjacent Cornwall Ore Mines which are still operated by the Bethlehem Steel Corporation; the Union Canal Tunnel (the oldest existing canal tunnel in the United States) and remnants of the locks used from 1828 to 1885 by the canal which provided access from the Susquehanna River to Philadelphia; and the first Municipal Water Works in America at Schaefferstown.





- | | | |
|-----------------------------|--|--|
| 1. Administration Building | 12. Engle Hall | 21. Infirmary |
| 2. Carnegie Lounge | 13. Chapel | 22. North College |
| 3. Gossard Memorial Library | 14. Lynch Memorial Building
(Gymnasium) | 23. Saylor Hall |
| 4. Kreider Hall | 15. Sheridan Hall | 24. Keister Hall |
| 5. Science Hall | 16. West Hall Annex | 25. Hammond Hall |
| 6. Maintenance Building | 17. West Hall | 26. 112 College Ave., Faculty
Offices |
| 7. College Book Store | 18. College Dining Hall | 27. East College |
| 8. Central Heating Plant | 19. Mary Capp Green Hall | 28. Centre Hall Annex |
| 9. Laughlin Hall | 20. Vickroy Hall | 29. Centre Hall |
| 10. South Hall | | 30. Funkhouser Hall |
| 11. United Methodist Church | | |

CAMPUS, BUILDINGS, AND EQUIPMENT

The campus of 35 acres is situated in the center of Annville. The college plant consists of 28 buildings including:

The Administration Building — Administrative Offices (President, Vice President and Dean of the College, Vice President and Assistant to the President, and Vice President and Controller) are located on the main floor. The remainder of the building is devoted to classrooms, laboratories, faculty offices, and administrative services.

Gossard Memorial Library — The Gossard Memorial Library was opened in June, 1957. The more than 96,500 volumes include an excellent collection of standard reference works and bound periodicals. In addition to resources used by the various departments of the College, a diversified collection of periodicals is also available.

The Hiram Herr Shenk Collection (which includes the Heilman Library) and the C. B. Montgomery Memorial Collection contain many valuable works dealing with the history

and customs of the Pennsylvania Germans. These collections are housed in the Historical Collection Room and are open for reference use under staff supervision.

A separate room houses the Archives of the Historical Society of the Eastern Conference of the United Methodist Church. The materials in this collection are available for reference under the supervision of the Conference Historian.

Special equipment of the library includes a music and listening room outfitted with turntables and earphones, typing booths for students, conference rooms, microfilm reader-printers (there are some 6,000 periodicals on microfilm), an electrostatic copier, and carrels for individual study. In addition to the library proper, the building contains an audio-visual room equipped with a loudspeaker system and adaptable to the exhibiting of works of art.

Chapel — This building houses the main sanctuary and meditation chapel, Office of the Chaplain, faculty offices of departments of Religion and Philosophy, classrooms, a fellowship room, and the Student Christian Association room.





Engle Hall — Engle Hall houses the Department of Music and includes an auditorium, classrooms, studios, offices, and private practice rooms.

Saylor Hall — The Art Department as well as Music Department practice rooms are located in Saylor Hall.

Science Hall — The first floor of Science Hall contains laboratories, library, class and conference rooms, and offices of the Department of Chemistry. The second and third floors are equipped with similar facilities and a greenhouse for the Department of Biology.

Carnegie Lounge — The former Carnegie Library building has been converted into a modified student services center. The basement contains a snack bar and the first floor is equipped with three attractive lounges for the use of faculty and students. The second floor houses the offices of the Dean of Men, the Dean of Women, the student newspaper (*La Vie Collégienne*), the college yearbook (*The Quittapahilla*), and conference rooms.

Lynch Memorial Physical Education Building — This modern plant is well equipped for physical education, recreation, and campus meetings. It houses the Department of Economics and Business Administration.

Residence Halls — There are six residence halls for women (Centre, Centre Annex, Green, Keister, North, and Vickroy) and seven for men (East, Funkhouser, Hammond, Kreider, Sheridan, West, and West Annex).

The College Dining Hall — The College Dining Hall has facilities for serving all resident students.

The College Book Store — All textbooks, school supplies, stationery, as well as souvenirs, are available at the College Book Store.

112 College Avenue — This building provides offices for the Department of English and for the Department of Foreign Languages.

South Hall — South Hall houses the Office of the Registrar, the Teacher Placement Bureau, the Office of Admissions, and faculty offices.

Laughlin Hall — The offices of the College Relations Area (Alumni, Development, and Public Relations) are located in Laughlin Hall.

Infirmary — Staffed by a Head Nurse and resident nurses, the Infirmary is available to all students. The College Physician is on call at all times. Adjacent to the Infirmary is the Women's Day Student Room.



SUPPORT AND CONTROL

Lebanon Valley College receives support from the Christian Service Fund Budget of the United Methodist Church, individual congregations of the denomination in the Eastern and Susquehanna Conferences, endowments, and the Pennsylvania Foundation for Independent Colleges. Also, since at Lebanon Valley College as at most other institutions of higher learning the tuition and other annual charges paid by the student do not cover the total cost of his education, additional income is derived through the Lebanon Valley College Fund. The Fund is supported by industry, alumni, parents of students, and other friends of the College.

Total assets of Lebanon Valley College exceed \$11,000,000, including endowment funds in excess of \$2,450,000. Aside from general endowment income available for unrestricted purposes, there are a number of special funds designated for specific uses such as professorships, scholarships, and the library.

Control of the College is vested in a Board of Trustees composed of 54 members, 32 of whom represent church conferences; 5 of whom represent the alumni of the institution; 5 of whom represent the faculty; and 12 of whom are elected at large.

ENDOWMENT FUNDS (June 30, 1969)

UNRESTRICTED

For General Purposes

RESTRICTED

Professorship Funds

Chair of English Bible and Greek Testament
Josephine Bittinger Eberly Professorship of Latin Language and Literature

John Evans Lehman Chair of Mathematics

The Rev. J. B. Weidler Endowment Fund

The Ford Foundation

Restricted Other

Bishop J. Balmer Showers Lectureship Fund
Karl Milton Carnegie Fund

Special Fund—Faculty Salaries

The Batdorf Fund
E. N. Funkhouser Fund
Mr. and Mrs. C. H. Horn Fund
Mary I. Shumberger Memorial Fund
Woodrow W. Waltermeyer Professorship Fund

Library Funds

Library Fund of Class of 1916
Class of 1956 Library Endowment Fund
Dr. Lewis J. and Leah Miller Leiby Library Fund

Maintenance Funds

Hiram E. Steinmetz Memorial Room Fund

Equipment Funds

Dr. Warren H. Fake and Mabel A. Fake Science Memorial Fund
Williams Foundation Endowment Fund

Publicity Funds

Harnish-Houser Publicity Fund



Scholarship Funds

Allegheny Conference C.E. Scholarship Fund
A.F.S. Scholarship Fund
Alumni Scholarship Fund
Dorothy Jean Bachman Scholarship Fund
Lillian Merle Bachman Scholarship Fund
Baltimore Fifth Church, Otterbein Memorial Sunday School Scholarship Fund
E. M. Baum Scholarship Fund
Andrew and Ruth Bender Scholarship Fund
Cloyd and Mary Bender Scholarship Fund
Biological Scholarship Fund
Eliza Bittinger Scholarship Fund
Mary A. Bixler Scholarship Fund
I. T. Buffington Scholarship Fund
Alice Evers Burtner Memorial Award Fund
Mr. and Mrs. D. Clark Carmean Scholarship Fund
Collegiate Scholarship Fund of Evangelical United Brethren Church
Isaiah H. Daugherty and Benjamin P. Raab Memorial Scholarship Fund
Senator James J. Davis Scholarship Fund
William E. Duff Scholarship Fund
Derickson Scholarship Fund
East Pennsylvania Conference C.E. Scholarship Fund
East Pennsylvania Branch W.S.W.S. Scholarship Fund
Samuel F. and Agnes F. Engle Scholarship Fund
M. C. Favinger and Wife Scholarship Fund
Fred E. Foos Scholarship Fund
C. C. Gingrich Scholarship Fund
G. D. Gossard and Wife Scholarship Fund
Margaret Verda Graybill Memorial Scholarship Fund
Peter Graybill Scholarship Fund
Jacob F. Greasly Scholarship Fund
Harrisburg Otterbein Church of The United Brethren In Christ Scholarship Fund
Harrisburg Otterbein Sunday School Scholarship Fund
Alice M. Heagy Scholarship Fund
J. M. Heagy and Wife Scholarship Fund
Bertha Foos Heinz Scholarship Fund
Harvey E. Herr Memorial Scholarship Fund
Edwin M. Hershey Scholarship Fund
Merle M. Hoover Scholarship Fund
Judge S. C. Huber Scholarship Fund

Cora Appleton Huber Scholarship Fund
H. S. Immel Scholarship Fund
Henry G. and Anna S. Kauffman and Family Scholarship Fund
John A. H. Keith Fund
Barbara June Kettering Scholarship Fund
Rev. and Mrs. J. E. and Rev. A. H. Kleffman Scholarship Fund
Dorothea Killinger Scholarship Fund
A. S. Kreider Ministerial Scholarship Fund
W. E. Kreider Scholarship Fund
Maud P. Laughlin Scholarship Fund
Lebanon Steel Foundry Foundation Scholarship Fund
The Lorenz Benevolent Fund
Mrs. Edwin M. Loux Scholarship Fund
Lykens Otterbein Church Scholarship Fund
Mechanicsburg U.B. Sunday School Scholarship Fund
Medical Scholarship Fund
Elizabeth Meyer Endowment Fund
Elizabeth May Meyer Musical Scholarship Fund
Mrs. Elizabeth H. Millard Memorial Scholarship Fund
Harry E. Miller Scholarship Fund
Bishop J. S. Mills Scholarship Fund
The Ministerial Student Aid Gift Fund of The Evangelical United Brethren Church
Germaine B. Monteux Memorial Scholarship Fund
Elizabeth A. Mower Beneficiary Fund
Neidig Memorial Church Ministerial Scholarship Fund
Grace U.B. Church of Penbrook, Penna. Scholarship Fund
Pennsylvania Branch W.S.W.S. Scholarship Fund in Memory of Dr. Paul E. V. Shannon
Pennsylvania Conference C.E. Scholarship Fund
Pennsylvania Conference Youth Fellowship Scholarship Fund
People's National Bank Achievement Award in Economics
Philadelphia Lebanon Valley College Alumni Scholarship Fund
Rev. H. C. Phillips Scholarship Fund
Sophia Plitt Scholarship Fund
Quincy Evangelical United Brethren Orphanage and Home Scholarship Fund

Ezra G. Ranck and Wife Scholarship Fund
Levi S. Reist Scholarship Fund
G. A. Richie Scholarship Fund
Emmett C. Roop Scholarship Fund
Reynaldo Rovers Memorial Scholarship Fund
Harvey L. Seltzer Scholarship Fund
Rev. and Mrs. Cawley H. Stine Scholarship Fund
Dr. Alfred D. Strickler and Louise Kreider Strickler Pre-Medical Scholarship Fund
Washington, D. C. Memorial E.U.B. Ministerial Scholarship Fund
Henry L. Wilder Scholarship Fund
Jacob C. Winter Memorial Scholarship

Student Loan Funds

Mary A. Dodge Loan Fund
Daniel Eberly Scholarship Fund

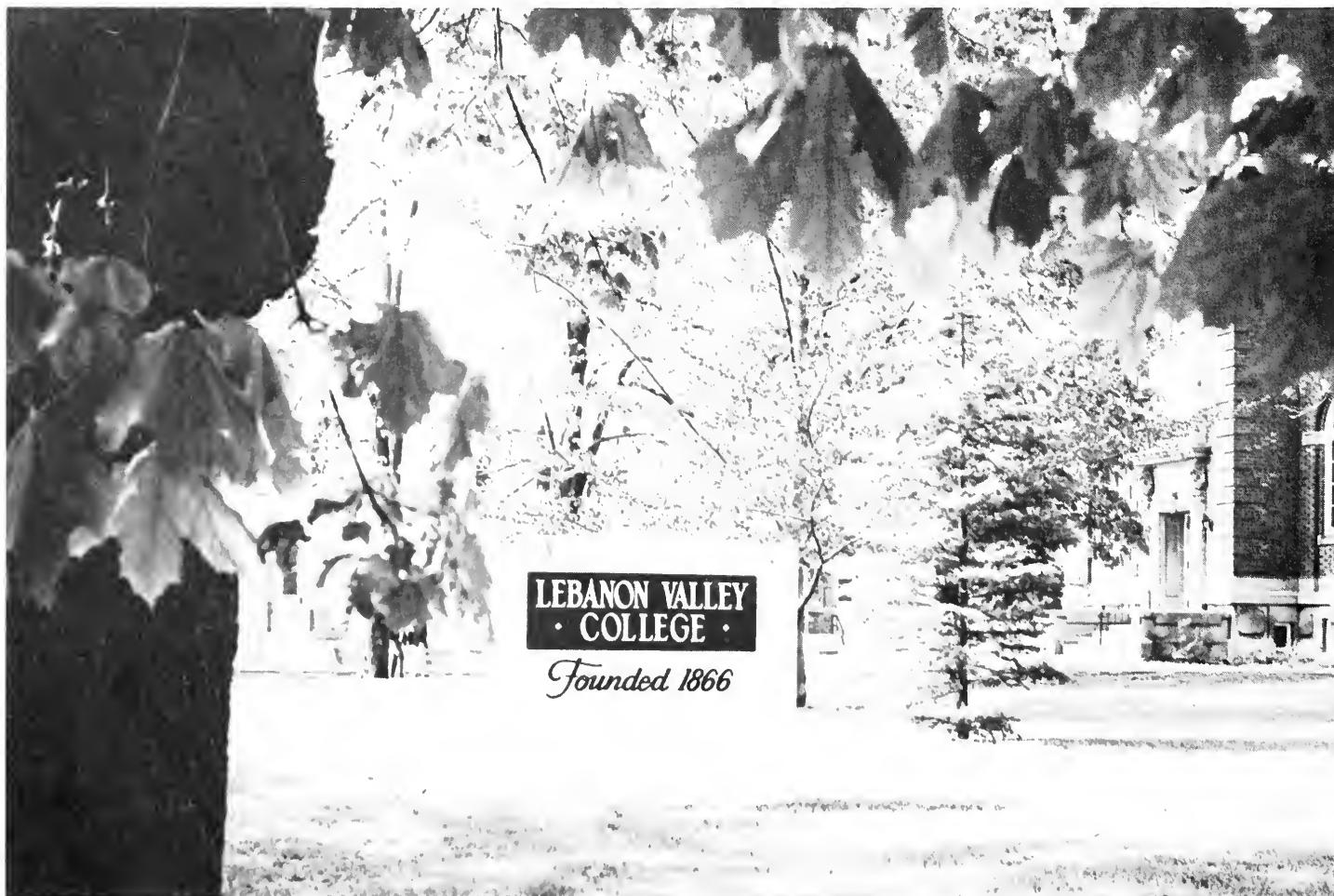
Prize Funds

Bradford C. Alban Memorial Award Fund
The L. G. Bailey Award

Henry H. Baish Memorial Fund
Andrew Bender Memorial Chemistry Fund
The Class of 1964 Quittapahilla Award Fund
Governor James H. Duff Award
The French Club Prize Fund
Florence Wolf Knauss Memorial Award in Music
La Vie Collegienne Award Fund
Max F. Lehman Fund
The David E. Long Memorial Fund
Germaine Benedictus Monteux Music Award
Pickwell Memorial Music Award
The Rosenberry Award
Wallace-Light-Wingate Award
The Salome Wingate Sanders Award in Music Education

Annuity Funds

Rev. A. H. Kleffman and Erma L. Kleffman
E. Roy Line Annuity
Ruth Detwiler Rettew Annuity Fund



ENROLLMENT STATISTICS

SUMMARY OF COLLEGE YEAR, 1968-1969 — CUMULATIVE

	DAY-TIME			FULL-TIME			PART-TIME			TOTAL		
Degree Students	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total
Seniors	130	70	200	7	11	18	137	81	218			
Juniors	114	73	187	2	2	4	116	75	191			
Sophomores	112	94	206	3	1	4	115	95	210			
Freshmen	161	121	282	1	1	2	162	122	284			
Non-degree	4	1	5	11	18	29	15	19	34			
Day-time Total	521	359	880	24	33	57	545	392	937			
Evening-Campus				33	50	83	33	50	83			
Extension												
Harrisburg				315	246	561	315	246	561			
Grand Total	521	359	880	372	329	701	893	688	1581			
Names Repeated.				-4	-2	-6	-4	-2	-6			
Net Total	521	359	880	368	327	695	889	686	1575			
*Music Specials				27	44	71	27	44	71			
Summer School, 1969												
College				105	73	178	105	73	178			
*Music Specials				24	32	56	24	32	56			
Names Repeated ..				-1	-5	-6	-1	-5	-6			

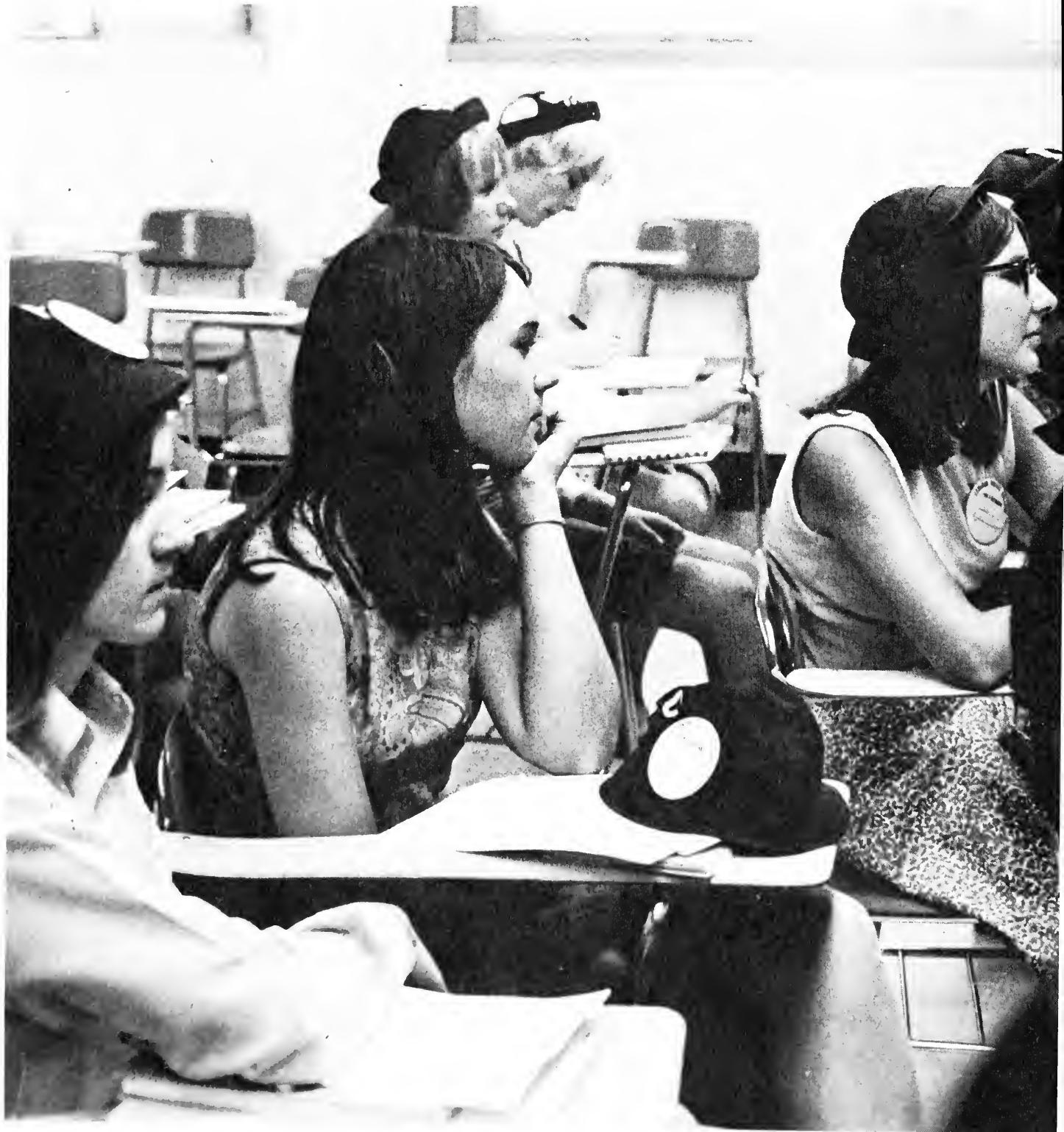
* Not included in totals

SUMMARY OF FIRST SEMESTER — 1969-1970

	DAY-TIME			FULL-TIME			PART-TIME			TOTAL		
Degree Students	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total
Seniors	113	63	176	6	9	15	119	72	191			
Juniors	99	95	194	2	3	5	101	98	199			
Sophomores	123	111	234	1	3	4	124	114	238			
Freshmen	197	123	320	1	0	1	198	123	321			
Non-degree	1	0	1	12	12	24	13	12	25			
Day-Time Total ...	533	392	925	22	27	49	555	419	974			
Evening-Campus				21	54	75	21	54	75			
Extension												
Harrisburg				185	209	394	185	209	394			
Grand Total	533	392	925	228	290	518	761	682	1443			
Names Repeated.	-0	-1	-1	-0	-0	-0	-0	-1	-1			
Net Total	533	391	924	228	290	518	761	681	1442			
*Music Specials				21	44	65	21	44	65			

* Not included in totals

Information For Prospective Students



ADMISSION

Students are admitted to Lebanon Valley College on the basis of scholarly achievement, intellectual capacity, character, personality, and ability to profit by college experience.

GENERAL INFORMATION

1. All communications concerning admission should be addressed to the Director of Admissions, Lebanon Valley College, Annville, Pennsylvania 17003.
2. Applications should be submitted as early as possible in the latter part of the junior or the beginning of the senior year of high school or preparatory school.
3. Applications must be filed on forms provided by the Office of Admissions.
4. Each application must be accompanied by an application fee of \$10.00. This fee is not refundable.
5. A transcript of the secondary school record, on a form provided by the College for that purpose, must be sent by the principal to the Director of Admissions. May 1 is the deadline for receiving applications.
6. A student transferring from another collegiate institution must present an official transcript of his scholastic record and evidence of honorable dismissal.
7. All new students are required to present on or before August 20 the official Health Record showing a physician's report of medical examination; certification of vaccination within a period of five years and immunization against flu, polio, and tetanus given just prior to the student's entrance to college.

Admission is based on *total* information submitted by the applicant or in his behalf.

Final decision, therefore, cannot be reached until all information has been supplied by the applicant.

FACTORS DETERMINING ADMISSION

Each candidate for admission will be considered individually and the decision of the Admissions Committee with respect to admission will be based on the following factors:

1. The transcript of the applicant's secondary school record.
2. Recommendation by the principal, teachers, and other responsible persons as to the applicant's special abilities, integrity, sense of responsibility, seriousness of purpose, initiative, self-reliance, and concern for others.
3. A personal interview, whenever possible, with the Director of Admissions or his designate.
4. College Entrance Examination Board test results: (a) Scholastic Aptitude Test, (b) three achievement tests — English composition and two optional tests. All candidates for admission are required to take the Scholastic Aptitude Test and three achievement tests — English composition and any other two. Those seeking entrance in September are advised to take these tests no later than in the preceding December and/or January. Full information concerning dates and locations of these test administrations may be obtained by writing to: College Entrance Examination Board, P.O. Box 592, Princeton, N. J. 08540.
5. Additional test results which may be required in special cases by the Committee on Admissions.

ADMISSION TO THE DEPARTMENT OF MUSIC

An applicant to the music or music education curriculums is expected to satisfy the general requirements for admission. In addition, the candidate must appear for an audition before members of the music faculty and show evidence of:

1. An acceptable singing voice and a fairly quick sense of tone and rhythm;
2. Ability to sing at sight hymn and folk tunes with a fair degree of accuracy and facility;
3. Ability to sing or to play the piano, organ, or some orchestral instrument at a level representing three years of study.

RECOMMENDED UNITS FOR ADMISSION

It is recommended that all candidates offer 16 units of entrance credit and graduation from an accredited secondary school or submit an equivalency certificate acquired through examination.

Ten of the 16 units offered for admission must be from the following subjects: English, foreign language, mathematics, science, and social studies.

An applicant for admission whose preparatory courses do not coincide with the distribution of subject units (see below) may be considered by the Committee on Admissions if his academic record is of high quality and if, in the opinion of the Committee, he appears to be qualified to do college work satisfactorily. All entrance deficiencies must be removed before sophomore academic status will be granted.

DISTRIBUTION OF SUBJECT UNITS

English	4	units
Foreign Language (in one language)*	2	"
Mathematics	2	"
Science (laboratory)	1	"
Social Studies	1	"
Electives	6	"
Total required	<u>16</u>	"

TRANSFER CREDIT

A student applying for advanced standing at Lebanon Valley College after having at-

tended another accredited institution of higher education shall submit an official transcript of his record and evidence of good standing to the Director of Admissions. He must also submit College Board Aptitude and Achievement Test scores.

Credits are accepted for transfer provided that the grades received are C (2.0) or better and the work is equivalent or similar to work offered at Lebanon Valley College. Grades thus transferred count for hours only, not for quality points.

Students transferring from two-year institutions are required to earn at least 60 hours of credit from a four-year institution for graduation. A minimum of 30 hours of this must be taken at Lebanon Valley College to meet the residence requirement.

Transfer students may be required to take placement examinations to demonstrate adequate preparation for advanced courses at Lebanon Valley College.

Subject to the conditions listed in the second paragraph, Lebanon Valley College will recognize for transfer credit a maximum of 15 hours of USAFI course work provided such credit is recommended by the American Council on Education publication, *A Guide to the Evaluation of Educational Experiences in the Armed Services*.

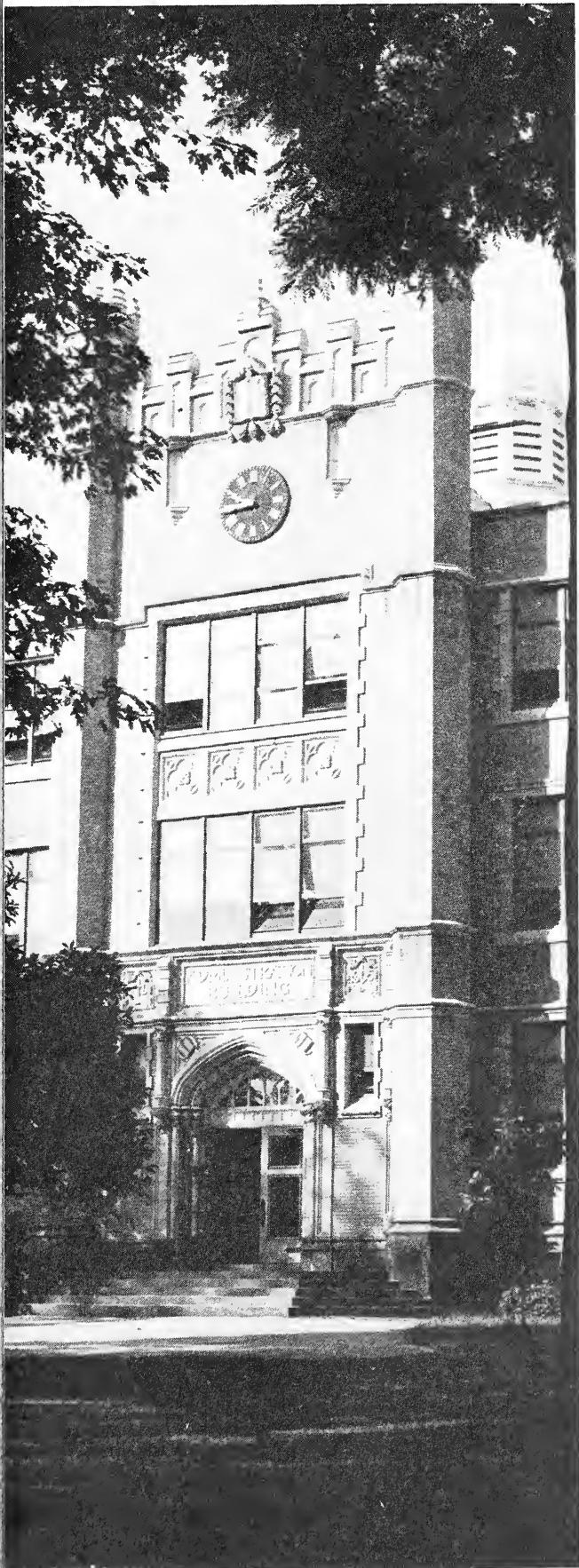
Credit will not be granted for correspondence courses.

ADVANCED PLACEMENT

Advanced placement and/or credit may be granted to entering students who make scores of 3, 4, or 5 on the College Board Advanced Placement examination.

Advanced placement without credit may be granted on the basis of the Achievement Tests of the College Board Examinations or such other proficiency tests as may be determined by the Assistant Dean of the College and by the chairman of the department in which advanced placement is sought.

* If an applicant cannot present the two units of foreign language, he will be required to take a minimum of two years of one language in college. His credits for this work will be counted toward graduation requirements.



STUDENT FINANCES

Lebanon Valley College is a private non-profit institution. It derives its financial support from endowment and gifts from the United Methodist Church, alumni, industry, friends and from the tuition, fees, and other charges paid by the students. The cost to the student is maintained at a level consistent with adequate facilities and high quality instruction.

FEES AND DEPOSITS

An application fee of \$10.00 which is not refundable is charged each applicant to apply against the cost of processing his application for admission. An admission deposit of \$100.00, payable within ten days of notification of acceptance, is required of all new (including transfer) students. Until this deposit is paid the student is not guaranteed a place in the entering class. The admission deposit is not refundable; it will be applied to the student's account upon registration.

1969-1970 FEE STRUCTURE FOR FULL-TIME DEGREE CANDIDATES

	Resident Each Semester	Non- Resident Each Semester
Standard Charges		
Tuition and Fees	\$ 950	\$950
Room and Board	475	...
	<hr/>	<hr/>
	\$1,425	\$950

Students may be subject to the following additional fees and charges, depending upon their program:

Laboratories, in excess of one per semester:

Science, Mathematics,

Languages \$20.00 per semester

All other laboratories .. 15.00 per semester

Student Teaching Fee: \$8.00 per credit

Music Fees:

Private music instruction

(1/2 hour per week,
15 weeks) 60.00 per semester

Class music instruction (1 hour per week) . .	40.00 per semester
Organ, practice rental (per hour per week). .	8.00 per semester
Band and orchestral instrument rental . . .	15.00 per semester
Transcript, in excess of one	\$ 1.00

The insurance fee in the amount of \$20.00 is collected in the first semester of the student's enrollment and a pro-rata charge applies to the student who first enrolls in the second semester.

The contingency deposit in the amount of \$25.00 must be made before registration and is required of all full-time students and will be refunded upon graduation or withdrawal from college provided no damage has been caused by the student. All student breakage that occurs in college-operated facilities will be charged against this deposit and the amount must be repaid to the College within 30 days of notice to the student.

A fee of \$10.00 is charged each student who does not register for classes during any prescribed registration period. A fee of \$2.00 is charged for every change of course made at the student's request after registration day.

The fee for part-time students (less than 12 credit hours per semester) is \$75.00 per semester credit hour plus a \$2.00 registration fee; the fee for credit hours in excess of 16 credit hours per semester is \$60.00; fractional hours of credit are charged proportionately.

AUXILIARY SCHOOL FEE STRUCTURE (EVENING AND SUMMER)

Tuition, \$60.00 per semester credit hour
Registration Fee, \$2.00
Late Registration Fee, \$2.00
Change of Registration Fee, \$2.00

PAYMENT OF FEES AND DEPOSITS

Semester charges are due and payable in full on September 1 (first semester) and January 1 (second semester) as a condition for registration. Those preferring to pay semester charges in monthly installments are invited to consult with the Office of the Controller re-

garding deferred payment plans offered by various financial institutions. Arrangements for deferred payment plans shall be complete prior to the above dates and as a condition for registration.

A satisfactory settlement of all college accounts is required before grades are released, transcripts are sent, honorable dismissal granted, or degree conferred.

REFUND POLICY

Refunds, as indicated below, are allowed only to students who officially withdraw from the College by completing the clearance procedure:

Period of student attendance in college from date classes begin	% of tuition refunded
Less than three weeks	75%
Over three weeks	0%

A refund on board charge is allowed for the period beginning after honorable official withdrawal.

No refund is allowed on student charges when a student retains his class standing during his absence from college because of illness or for any other reason.

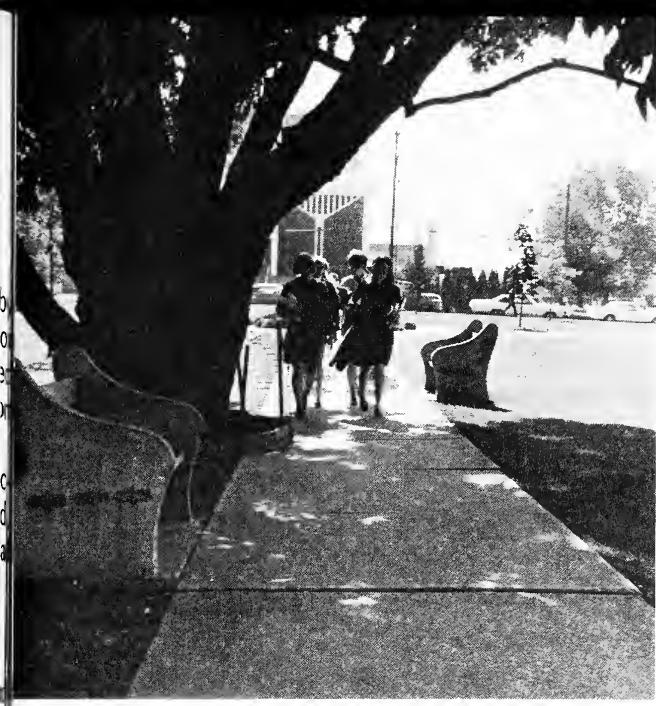
No refund is allowed on room charges. No refund is allowed on room deposit except when withdrawal results from suspension or dismissal by College action or when withdrawal results from entrance into active military service.

RESIDENCE HALLS

Residence hall rooms are reserved only for those returning students who make an advance room reservation deposit of \$50.00 (Receipt must be presented at the time of room sign-up which occurs immediately after the Easter Vacation.)

Occupants are held responsible for all breakage and loss of furniture, or any damage for which they are responsible.

Each room in the men's residence halls is furnished with chests of drawers, book cases, beds, mattresses, chairs, and study tables. Drapes are provided in Hammond and Funkhouser Halls. Students must provide bedding, rugs, lamps, and all other furnishings.



Each room in the women's residence halls furnished with beds, mattresses, chairs, dressers, book case, and study tables. Drapes are provided in Keister, Mary Green and Vicki Halls. Other desired furnishings must be supplied by the student.

Students rooming in residence halls may not sublet their rooms to commuting students or others.

Since Lebanon Valley College is primarily a boarding institution, all students are required to live in college-owned or controlled residence halls. Exceptions to the above are: married students, students living with immediate relatives, or those living in their own homes who commute daily to the campus.

Should vacancies occur in any of the residence halls, the College reserves the right to require students rooming in the community to move into a residence hall.

The College reserves the right to close all residence halls during vacations and between semesters.

The College reserves the right to inspect any student's room at any time. Periodic inspection of residence halls will be made by members of the administration.

The College is not responsible for loss of personal possessions by the students.

Lounges are provided by the College for resident and commuting students.

MEALS

All resident students are required to take their meals in the College Dining Hall. Commuting students may arrange for meals Monday through Friday, if space is available.

FINANCIAL AID

Lebanon Valley College offers financial assistance to deserving students who have been accepted for admission insofar as its aid funds permit. Students applying for financial aid must submit the Parents' Confidential Statement through the College Scholarship Service, Box 176, Princeton, New Jersey, 08540. High school seniors may obtain these forms in high school guidance offices. It is not necessary to wait until notification of acceptance to Lebanon Valley College to apply for financial aid. Application should be made as early as possible and no later than April 1.

Applicants for financial aid and students receiving financial aid are obligated to report the excess above \$100 of all aid from non-college controlled sources (prizes, awards, grants, scholarships, and loans). The College reserves the right to review and revise the recipient's financial aid package in view of any outside aid that he receives.

INTERNAL FINANCIAL AID PROGRAMS

Lebanon Valley College offers financial assistance in the form of grants-in-aid, restricted scholarships, the Lebanon Valley College Loan Fund, and Presidential Scholarships.

EMPLOYMENT

Financial assistance is available in the form of waiterships, janitorships, laboratory aides, clerical aides, library aides and other forms of work assignments. Employment is granted to deserving students on the basis of the requirements of the College.

EXTERNAL SOURCES OF FINANCIAL AID

Financial aid also is available through private agencies, state government programs, and the three Federal government programs in which the College participates. The Federal programs are the National Defense Student Loans, Educational Opportunity Grants, and the College Work-Study Program.

For further information, write to the Financial Aid Officer, Lebanon Valley College, Annville, Pennsylvania 17003.

Academic Program & Procedure



EQUIREMENTS FOR DEGREES

banon Valley College confers five bachelor degrees. They are: Bachelor of Arts, Bachelor Science, Bachelor of Science in Chemistry, Bachelor of Science in Nursing, and Bachelor Science in Medical Technology.

The degree of Bachelor of Arts is conferred upon students who complete the requirements for graduation in the following areas, and who are recommended by the faculty and approved by the Board of Trustees: Biology, English, French, German, Greek, History, Latin, Mathematics, Music, Philosophy, Physics, Political Science, Psychology, Religion, Sociology and Spanish.

The degree of Bachelor of Science is conferred upon students who complete the requirements in the following areas, and who are recommended by the faculty and approved by the Board of Trustees: Biology, Chemistry, Mathematics, Physics, Actuarial Science, Economics and Business Administration, Elementary Education, Music Education, Arts-Engineering, and Arts-Forestry.

The professional degrees of Bachelor of Science in Chemistry, Bachelor of Science in Nursing, and Bachelor of Science in Medical Technology are conferred upon students who complete the requirements in the respective professional areas and who are recommended by the faculty and approved by the Board of Trustees.

SEMESTER HOURS

The requirements for degrees are stated in "semester hours of credit" which are based upon the satisfactory completion of courses in instruction. Generally, one semester hour credit is given for each class hour a week throughout the semester. In courses requiring laboratory work, not less than two hours of laboratory work a week throughout a semester

are required for a semester hour of credit. A semester is a term of approximately 17 weeks.

Candidates for degrees must obtain a minimum of 120 semester hours credit in academic work in addition to the required courses in Freshman and Sophomore Physical Education. However, a student who has a physical disability may be excused (on recommendation from the College Physician) from the requirement in physical education.

MAJOR

As a part of the total requirement of 120 hours every candidate for a degree must present at least 24 semester hours of course work in one department (this is his major). The initial selection of a major may be indicated or recorded any time before the end of the student's sophomore year. Such a choice of department or curriculum in which to pursue work of special concentration must be made by the time of registration for the junior year. A student accepted as a major has the right to remain in that department as long as he is in college.

EXAMINATIONS

Candidates for degrees are required to take end of course examinations.

RESIDENCE REQUIREMENT

Degrees will be conferred only upon those candidates earning in residence a minimum of 30 semester hours out of the last 36 taken before the date of the conferring of the degree, or before the transfer to a cooperating program. Residence credit is given for course work completed in regular day classes and in evening and summer school courses taken on campus.

GRADE POINT AVERAGE

Candidates for degrees must also obtain a cumulative grade point average of 1.75, computed in accordance with the grading system indicated below.

In addition, candidates must earn a grade point average of 2.0 in the major field of study.

Only grades received in courses taken on campus or in courses staffed by Lebanon Valley College at the University Center at Harrisburg are used to determine grade point averages.

SYSTEM OF GRADING AND QUALITY POINTS

The work of a student in each subject is graded A, B, C, D, or F, with the plus and minus available to faculty members who wish to use them. These grades have the following meanings:

A—distinguished performance

B—superior work

C—general satisfactory achievement

D—course requirements and standards satisfied at a minimum level

F—course requirements and standards not satisfied at a minimum level

When a grade of F has been received, the student may not proceed with any part of the course dependent upon the part in which the grade of F has been received. If a student fails in a subject twice, he may not register for a third time.

In addition to the above grades the symbols "I," "W," "WP," and "WF" are used on grade reports and in college records. "I" indicates that the work is incomplete (that the student has postponed with the consent of the instructor, certain required work), but otherwise satisfactory. This work must be completed within the semester following, or the "I" will be converted to an F.

W indicates withdrawal from a course any time within the first six weeks of classes of a semester without prejudice to the student's standing. In case of withdrawal from a course after six weeks the symbol WP will be en-

tered if the student's work is satisfactory, WF if his work is unsatisfactory. The grade WP will be considered as without prejudice to the student's standing, but the grade WF will be counted as an F. If a student withdraws from a course after twelve weeks, without reason satisfactory to the Registrar, a grade of WF will be recorded.

For courses in which no academic credit is involved, student work is evaluated as either S (Satisfactory) or U (Unsatisfactory).

For each semester hour credit in a course in which a student is graded A, he receives 4 quality points; A—, 3.7; B+, 3.3; B, 2.7; etc. F carries no credit and no quality points.

PASS FAIL GRADING

After a student has gained sophomore standing, he may elect to take up to three courses per semester and one course per summer session on a P/F basis, but only six of these courses can be counted toward graduation requirements.

Any courses not being counted toward fulfillment of the general requirements or specified major requirements may be optional on a pass/fail basis. Any pre-requisite course taken on a P/F basis and successfully completed will satisfy the pre-requisite.

Any course taken on a P/F basis will be graded P/H (pass with distinction), P (pass) or F (fail). P/H is defined as B+ and up, P is defined as D— through B; and F is below D.

Any course completed on a P/F basis shall be counted toward graduation requirements, but only an F grade shall be included in computing the grade point average. All passing grades shall be treated on the record as we presently treat transfer credit.

The student will indicate at the time of pre-registration or registration the courses that he has elected to take on a P/F basis. He may change his option for P/F grading to the regular grading basis or from regular grading to P/F grading within two weeks after the beginning of the semester.

Instructors will not be informed of the grading option selected by the student. Instructors will submit an A through F grade for

h student and the Registrar will convert grade to P/H, P or F for students selecting grading system.

TRANSFER STUDENTS

Students transferring from two-year institutions are required to have 60 hours of work at a four-year institution for graduation. A minimum of 30 hours of this must be taken at Lebanon Valley College to meet the residence requirement. (See page 27).

Students transferring from other institutions must secure a grade point average of 1.75 or better in work taken at Lebanon Valley College.

PARTICIPATION AT BACCALAUREATE AND COMMENCEMENT PROGRAMS

All seniors are required to attend the Baccalaureate and Commencement programs at which their degrees are to be conferred.

Degrees will be conferred *in absentia* only on the most compelling reasons and only upon a written request approved by the Assistant Dean of the College. Such requests must be submitted at least two weeks prior to the date of Commencement.

Faculty approval is required for the conferring of the degree and the issuance of the diploma in any case of wilful failure to comply with these regulations.

GENERAL AND DISTRIBUTION REQUIREMENTS

GENERAL REQUIREMENTS:	Semester Hours
English Composition*	6
Foreign Language Intermediate level)*	6
Mathematics (First year level)*	3
Religion 12 and 13	6
Physical Education (two years)	0

*Requirement can be met by proficiency examinations selected by the chairman of the department involved in consultation with the Dean of the College, or through the Advanced Placement Programs.

II. DISTRIBUTION REQUIREMENTS:

Humanities: Three one-semester courses (not more than two from one field) to be chosen from among Art or Music treated as one field; literature as offered by the Department of English; literature as offered by the Department of Foreign Languages; Philosophy; Religion	9
Social Sciences: Three one-semester courses (not more than two from one field) to be chosen from among Economics, History, Political Science, Sociology	9
Natural Sciences: Three one-semester courses (not more than two from one field) to be chosen from Biology, Chemistry, Physics, Psychology	9-12
	48-51

Distribution requirements shall be met from among the following courses:

Humanities: Art 12, 21; English 20, 21, 24, 26, 37; Foreign Literature courses above first semester 15 level; Music 19; Philosophy 10, 30; Religion 22, 42.

Social Sciences: Economics 20; History 10, 13, 24; Pol. Sci. 10, 30, 33; Sociology 20, 21, 33.

Natural Sciences: Biology 14, 18; Chemistry 13; Physics 10, 17; Psychology 20, 25, 44.

Notes:

1. No course in the major field shall be used to meet general or distribution requirements.
2. No course taken as a general requirement may count toward a major.
3. No credit is given for an elementary language course if two or more years of the same language have been taken in secondary school or if credit for an elementary language course has been given on transfer from another institution. Credit is given for any other elementary language course.

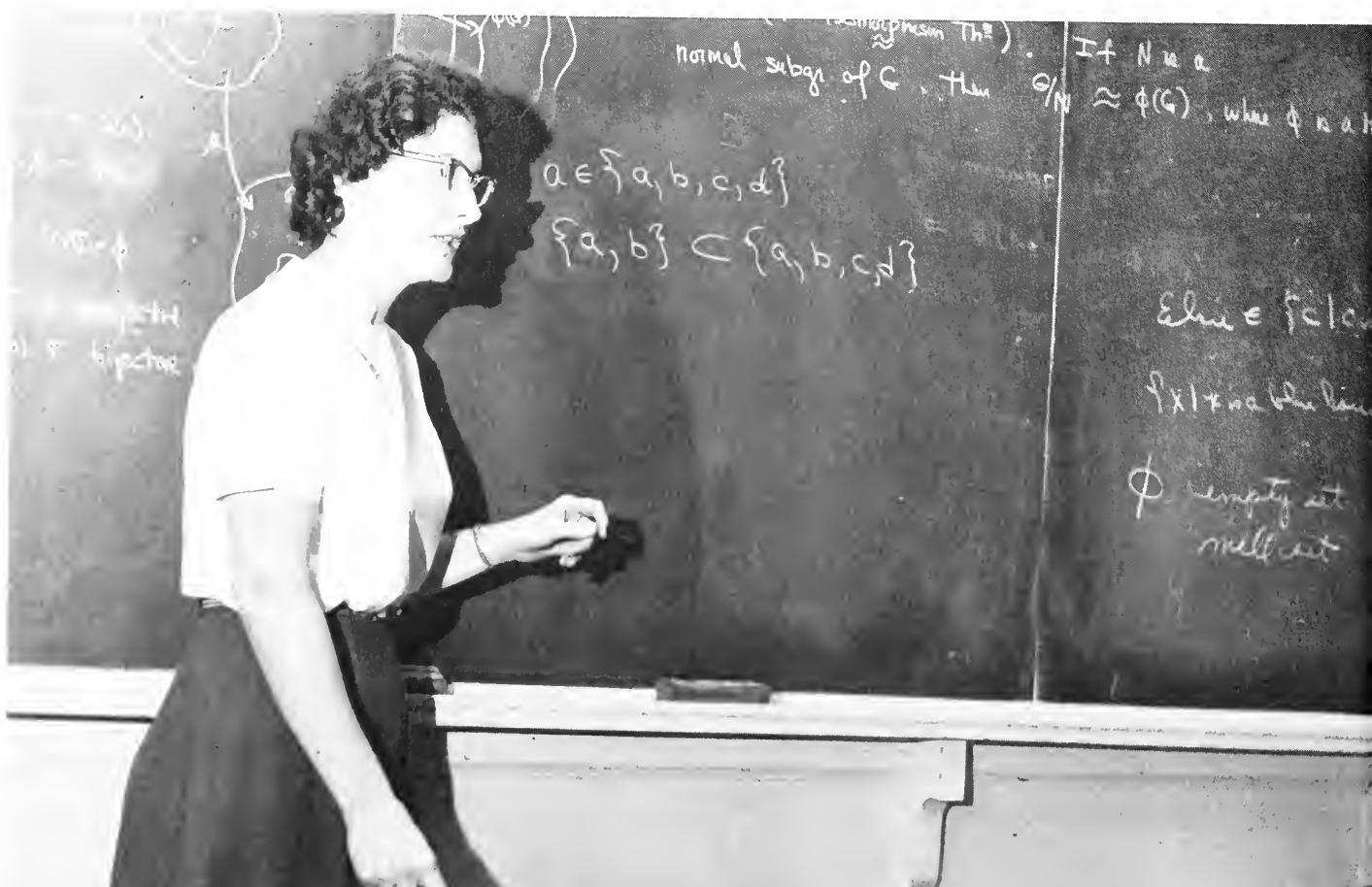
SPECIAL PLANS OF STUDY

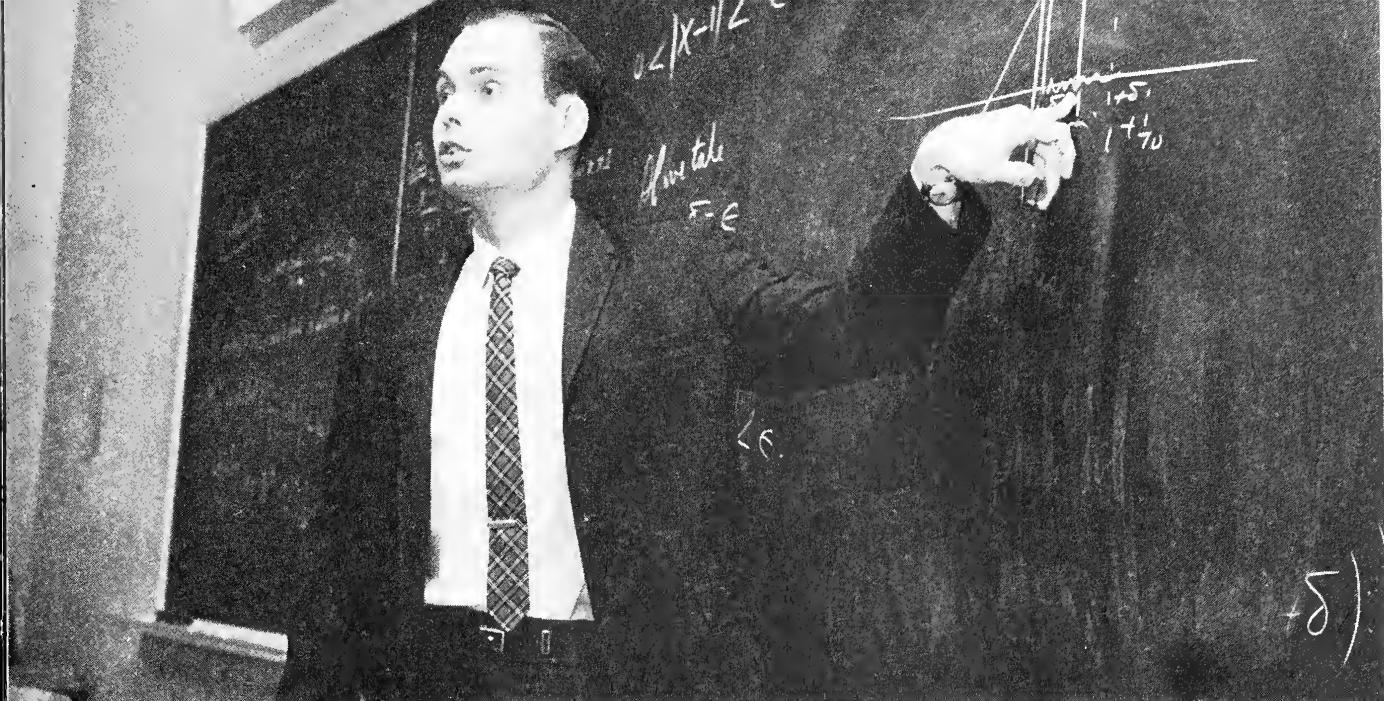
ACTUARIAL SCIENCE

Adviser: Dr. Bissinger

Consultant: Actuaries Club of Philadelphia

Course Number	Course Title	Hours 1st Sem.	Credit 2nd Sem.
FIRST YEAR			
Mathematics	11.... Elementary Analysis I & II	3	
English	10a-10b.... English Composition	3	
Foreign Language	10.... Intermediate French or German	3	
Mathematics	12.... Elementary Statistics	—	3
Music	19.... History and Appreciation of Music or In- or Art	3	
Physics	12.... Introduction to Art	3	
Physics	17.... Principles of Physics I	4	4
Physical Education	10.... Physical Education	0	0
		16	16
SECOND YEAR			
Mathematics	21.... Intermediate Analysis I & II	3	3
Mathematics	37.... Mathematical Statistics	3	3
English	20a-20b.... Comparative Literature	3	3
Economics	20a-20b.... Principles of Economics	3	3
Economics	23.... Principles of Accounting	4	4
Physical Education	20.... Physical Education	0	0
		16	16





RD YEAR

ctive	.....	To be selected	.....	3	3
thematics	.....	24	....Linear Alegbra	.....	3
thematics	.....	40.1	....Mathematics Seminar—Finite Differences and Compound Interest	.....	1
chology	.....	20	....General Psychology	.....	—
iology	.....	20	....Introductory Sociology	.....	3
gion	.....	12	....Introduction to Biblical Thought	.....	3
gion	.....	13	....Introduction to the Christian Faith	.....	—
nomics	.....	32a-32b	....Business Law	.....	3
ctive	.....	.....	.....	—	3
					16
					16

FOURTH YEAR

Mathematics	41. Probability	3	—
Mathematics	40.1. Mathematics Seminar—Life Contingencies	1	1
Economics	36. Money and Banking	—	3
Economics	44. Corporation Finance	3	—
Economics	45. Investments and Statement Analysis	—	3
Philosophy	10. Introduction to Philosophy	3	—
Electives		6	9
		<hr/>	<hr/>
		16	16

The above program is one that is typical for actuarial student. Some variation is possible with the consent of the advisor.

Part 1 of the Examination of the Society of
Quarries may be taken in May of the fresh-
man year or November or May of the sopho-
more year. Part 2 of the Examination may be
taken in May of the sophomore year with
the summer to be spent in the home office
of one of the life insurance companies. Part

3 of the Examination may be taken in May of the junior year and should be taken by May of the senior year.

The College is a testing center for the Society of Actuaries and the major can take each of the examinations on campus.

Upon the satisfactory completion of the above curriculum and tests, the degree of Bachelor of Science with a Major in Actuarial Science is granted.

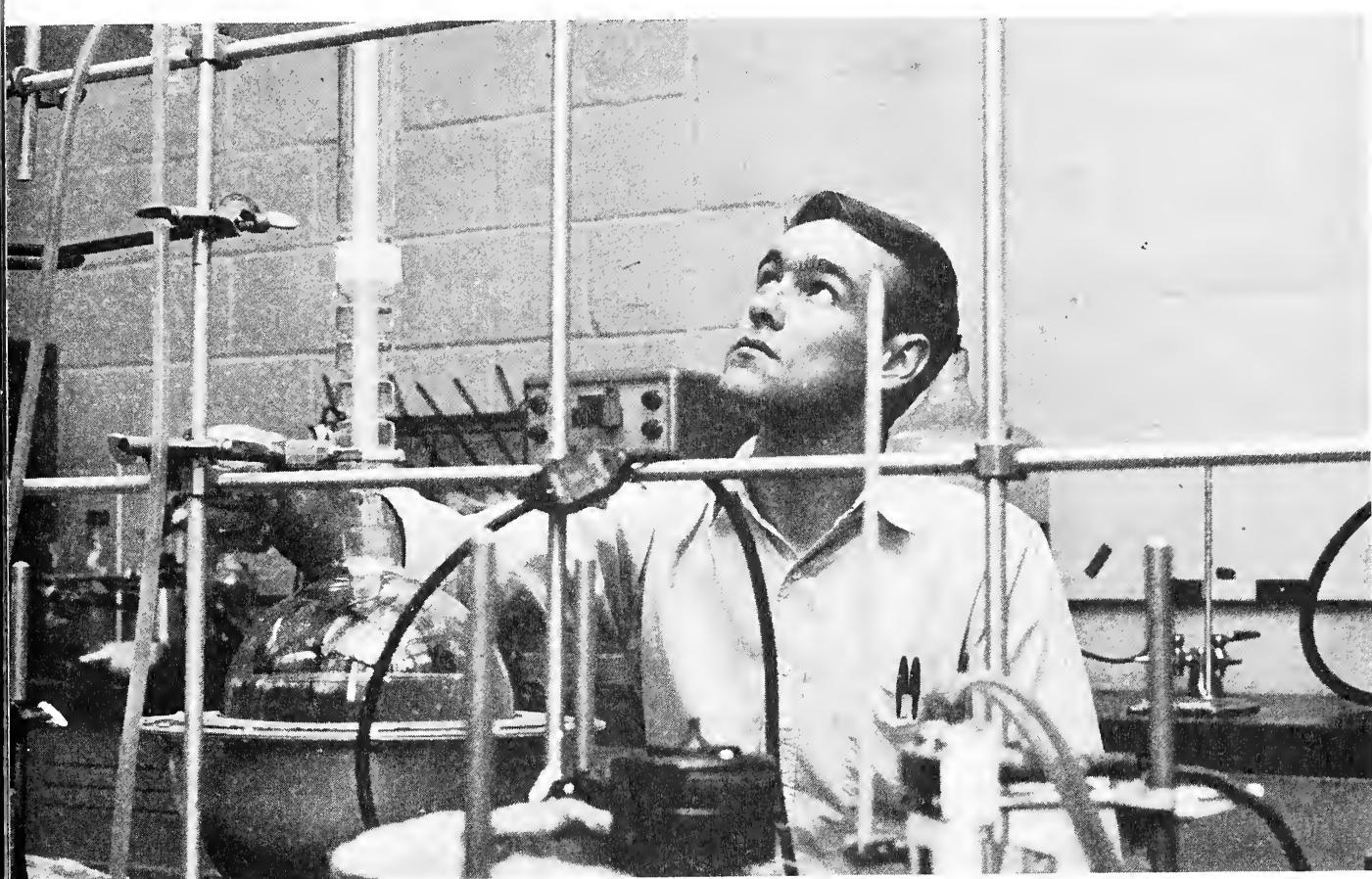
CHEMISTRY

Advisers: Dr. Neidig, Dr. Griswold, Dr. Lockwood

Students entering with advanced placement in chemistry are asked to consult the adviser.

Course Number	Course Title	Hours 1st Sem.	Cre 2n Sem.
FIRST YEAR			
Chemistry	13....Principles of Chemistry	4	
English	10a—10b....English Composition	3	
German	11....Scientific German	3	
Mathematics	11....Elementary Analysis I & II	3	
Physical Education	10....Physical Education	0	
Religion	12....Introduction to Biblical Thought	3	
Religion	13....Introduction to the Christian Faith	—	
		16	16
SECOND YEAR			
Chemistry	25....Reaction Kinetics and Chemical Equilibria	4	
Chemistry	24....Chemistry of the Covalent Bond	—	4
Distribution Requirements	The Social Sciences ..	3	3
Mathematics	21....Intermediate Analysis I & II	3	3
Physical Education	20....Physical Education	0	0
Physics	17....Principles of Physics I	4	4
		14	14





THIRD YEAR

chemistry	36....Physical Chemistry	3	3
chemistry	37....Organic Chemistry	5	—
chemistry	38....Instrumental Analysis	—	3
distribution Requirements	The Humanities	3	3
ysics	27....Principles of Physics II	4	4
hemistry	39....Laboratory Investigations I	1	1
hemistry	30.1....Laboratory Investigations II	—	2
		16	16

FOURTH YEAR

hemistry	41....Advanced Organic	—	3
hemistry	44....Special Problems	2	2
hemistry	45....Advanced Analytical	3	—
hemistry	47....Advanced Inorganic	3	3
distribution Requirements	The Social Sciences	3	—
distribution Requirements	The Humanities	—	3
distribution Requirements	The Sciences	3	—
lectives		—	3
		14	14

Curriculum leading to the degree of Bachelor of Science in Chemistry
(American Chemical Society certified degree)

DEPARTMENT OF ECONOMICS AND BUSINESS ADMINISTRATION

Adviser: Dr. Tom

Suggested program for majors in Economics and Business Administration.

Course Number	Course Title	Hours 1st Sem.	Cred 2nd Sem.
FIRST YEAR			
Economics	20a—20b....Principles of Economics	3	3
Economics	23a....Principles of Accounting	4	3
English	10a—10b....English Composition	3	3
Foreign Language	10....Intermediate French, German, Greek, Latin, Russian, or Spanish	3	3
Mathematics 1 or 11	Introductory Analysis or Elementary Analysis I	3	3
Distribution Requirements	Humanities, or Natural Sciences, or Social Sciences	—	6-7
Physical Education	10....Physical Education	0	0
		<hr/> 16	<hr/> 15-16
SECOND YEAR			
Economics	40.2....Microeconomic Analysis	3	—
Economics ..	36....Money and Banking	—	3
Economics	Electives*	3	3
History	13....Introduction to Historiography	3	—
Distribution Requirements	Humanities, or Natural Sciences, or Social Sciences	3-4	6-7
Religion	12....Intro. to Biblical Thought	3	—
Religion	13....Intro. to the Christian Faith	—	3
Physical Education	20....Physical Education	0	0
		<hr/> 15-16	<hr/> 15-16





THIRD YEAR

economics	48.....	Labor Economics	3	—
economics	35.....	Marketing	—	3
economics	Electives* .....	.....	3	3
Distribution Requirements	Humanities, or Natural Sciences, or Social Sciences	6-7	6-7	
Electives .....	.....	3	3	
			<hr/>	<hr/>
			15-16	15-16

FOURTH YEAR

economics	40.3.....	Seminar and Special Problems.....	—	3
economics	Electives* .....	.....	6-9	6-9
Electives .....	.....	.....	6-9	6-9
			<hr/>	<hr/>
			15	15

* Students concentrating in areas designated should schedule courses as indicated:

Economics:

- Econ. 37—Public Finance
- Econ. 38—International Economics
- Econ. 40.1—History of Economic Thought
- Econ. 40.4—Macroeconomic Analysis
- Econ. 41—Economic Growth
- Econ. 46—Econometrics

Business Administration:

- Econ. 32—Business Law
- Econ. 44—Corporation Finance
- Econ. 45—Investments and Statement Analysis
- Econ. 49—Industrial Management and Personnel Administration

Accounting:

- Econ. 30—Intermediate Accounting
- Econ. 31—Advanced Accounting
- Econ. 42—Income Tax Accounting
- Econ. 43—Cost Accounting
- Econ. 45—Investments and Statement Analysis
- Econ. 40.5—Auditing

For students who are interested in receiving Pennsylvania Teaching Certification in Comprehensive Social Studies with a major in Economics, the following courses are required:

- Econ. 20—Principles of Economics
- Econ. 23—Principles of Accounting
- Econ. 35—Marketing
- Econ. 36—Money and Banking
- Econ. 40.2—Microeconomic Analysis
- Econ. 40.3—Seminar and Special Problems
- Econ. 48—Labor Economics
- Econ. 32—Business Law, or Econ. 37—Public Finance, or Econ. 40.1—History of Economic Thought, or Econ. 41—Economic Growth, or Econ. 46—Econometrics.

ELEMENTARY EDUCATION

Advisers: Dr. Ebersole, Mrs. Herr

Suggested program for majors in Elementary Education.

Course Number	Course Title	Hours 1st Sem.	Credit 2nd Sem.
FIRST YEAR			
Education	20....Social Foundations of Education	3	—
English	10a—10b....English Composition	3	3
Foreign Language	10....Intermediate French, German, Russian, or Spanish	3	3
Distribution Requirements	Biology, Chemistry, or Physics	3-4	3-4
Physical Education	10....Physical Education	0	0
Psychology	20....General Psychology	—	3
Religion	12....Intro. to Biblical Thought	3	—
Religion	13....Intro. to the Christian Faith	—	3
		15-16	15-16
SECOND YEAR			
Geography	10a—10b....World Geography	3	3
Distribution Requirements	Humanities	3 or 0	0 or 3
Psychology	23....Educational Psychology	3	—
History	24a or 24b....Survey of U.S. History	0 or 3	3 or 0
Elementary Education	22....Music in the Elementary School	—	3
Elementary Education	25....Mathematics for Elem. Grades	—	3
Elementary Education	37....Children's Literature	—	3
Physical Education	20....Physical Education	0	0
Elective .....	.....	3 or 6	0 or 3
		15	15





HIRD YEAR

elementary Education	34....Teaching of Reading	3	—
elementary Education	23....Physical Sciences in the Elementary School	—	3
elementary Education	36....Communications and Group Processes in the Elem. School	3	3
distribution Requirements	Social Sciences	3	3
psychology	21....Psychology of Childhood	3	—
athematics	10....Basic Concepts	3	—
lective .....	.....	—	3
elementary Education	43....Health and Safety Education	—	3
		15	15

OURTH YEAR

elementary Education	40....Student Teaching	12	—
rt	32....Art in the Elementary School	3	—
elementary Education	44....Senior Seminar	—	3
distribution Requirements	Humanities	—	6
lectives or area of concentration .....	.....	—	6
		15	15

COOPERATIVE ENGINEERING PROGRAM

Adviser: Dr. Bissinger

Lebanon Valley College offers a cooperative program in Engineering whereby a student may achieve a liberal arts degree from Lebanon Valley College and also an engineering degree from the University of Pennsylvania or any other institution with which cooperative arrangements are in effect.

A student electing to pursue this curriculum spends the first three years in residence at Lebanon Valley College. At the end of these three years he may, if recommended, go to the University of Pennsylvania or another co-operating institution for two additional years of work in engineering. Upon the successful completion of the five years of study, the student will receive two degrees: the Bachelor of Science degree from Lebanon Valley College and a Bachelor of Science degree in one of the fields of engineering from the University of Pennsylvania or other cooperating institution.

The adviser should be consulted concerning the various curriculums.



COOPERATIVE FORESTRY PROGRAM

Adviser: Mr. Bollinger

Lebanon Valley College offers a program in forestry in cooperation with the School of Forestry of Duke University. Upon successful completion of a five-year coordinated course of study, a student will have earned the Bachelor of Science degree from Lebanon Valley College and the professional degree of Master of Forestry from the Duke School of Forestry.

A student electing to pursue this curriculum spends the first three years in residence at Lebanon Valley College. Here he obtains a sound education in the humanities and other liberal arts in addition to the sciences basic to forestry. The student devotes the last two years of his program to the professional forestry curriculum of his choice at the Duke School of Forestry.

The adviser should be consulted concerning the curriculum.

MEDICAL TECHNOLOGY CURRICULUM

Adviser: Dr. Argot

Each applicant for admission to this program should secure approval by the School for Medical Technologists for the status of pre-registered students, to be admitted on the successful completion of the academic part of the curriculum at the College. The School for Medical Technologists shall be the final judge of a student's qualifications to pursue its curriculum.

The first three years will be spent at Lebanon Valley College in pursuit of a program of study which includes all the general requirements for graduation and certain courses especially suitable as preparation for the study of medical technology. The adviser should be consulted concerning the curriculum.

Following the completion of this curriculum the student will spend 12 months at the Harrisburg Hospital School for Medical Technologists or another approved school, in the pursuit of its regular curriculum as prescribed by The American Society of Clinical Pathologists. On the successful completion of both phases of the curriculum the student will be awarded the degree of Bachelor of Science in Medical Technology by Lebanon Valley College.

PRE-MEDICAL, PRE-DENTAL, AND PRE-VETERINARY CURRICULA

Adviser: Dr. Wolfe

Students contemplating admission to Medical, Dental, or Veterinary Colleges should pursue a science program with a major in either biology or chemistry. They should register their professional intentions with the adviser of these programs by the end of their freshman or sophomore years. At that time their work will be reviewed and provision made to meet the special requirements of the colleges of their choice.

All students planning to enter the medical profession should confer with the pre-medical adviser as to the dates for medical aptitude tests and other special requirements.

The adviser should be consulted concerning the curriculum.

NURSING

Adviser: Mr. Bollinger

The five-year Nursing Plan offers to young women intending to enter the field of nursing an opportunity to obtain a liberal arts education in connection with their nurses' training.

Lebanon Valley College has an affiliation with a number of hospital schools of nursing for a five-year curriculum in nursing, the first two years of which are spent at Lebanon Valley College.

The next three years are spent at the School of Nursing in pursuit of the regular curriculum. At the end of these five years the student who has successfully completed both phases of the curriculum will be awarded the degree of Bachelor of Science in Nursing by Lebanon Valley College and the diploma in nursing by the School of Nursing.

The adviser should be consulted concerning the curriculum.



MUSIC

Adviser: Mr. Fairlamb

Course Number	Course Title	Hours 1st Sem.	Credit 2nd Sem.
FIRST YEAR			
English	10a—10b.... English Composition	3	3
Foreign Language	10.... French, German, Spanish, or Russian	3	3
Distribution Requirements	Sciences	3	3
Physical Education	10.... Physical Education	0	0
Music	10, 11.... Sight Singing I & II	1	1
Music	12, 13.... Ear Training I & II	1	1
Music	14, 15.... Harmony I & II	2	2
Music	Applied Music*	2	2
		15	15
SECOND YEAR			
Distribution Requirements	The Social Sciences	3	3
Mathematics	10.... Basic Concepts of Mathematics	—	3
Physical Education	20.... Physical Education	0	0
Religion	12.... Introduction to Biblical Thought	3	—
Religion	13.... Introduction to the Christian Faith	—	3
Music	20.... Sight Singing III	1	—
Music	22.... Ear Training III	1	—
Music	24.... Harmony III	2	—
Music	40.1.... Counterpoint	—	2
Music	Applied Music*	2	2
Electives		3	2
		15	15





THIRD YEAR

Distribution Requirements	The Social Sciences	3	—
Distribution Requirements	Humanities	3	3
Music	29....Harmony IV	2	—
Music	30a–30b....History of Music	3	3
Music	31, 36....Form and Analysis I & II	2	2
Music	39....Keyboard Harmony	—	2
Music	Applied Music*	2	2
Electives		—	3
		15	15

FOURTH YEAR

Distribution Requirements	Sciences	3	—
Distribution Requirements	Humanities	—	3
Music	41....Music Literature Seminar	3	—
Music	35....Conducting I	—	2
Music	Applied Music*	2	2
Electives		7	8
		15	15

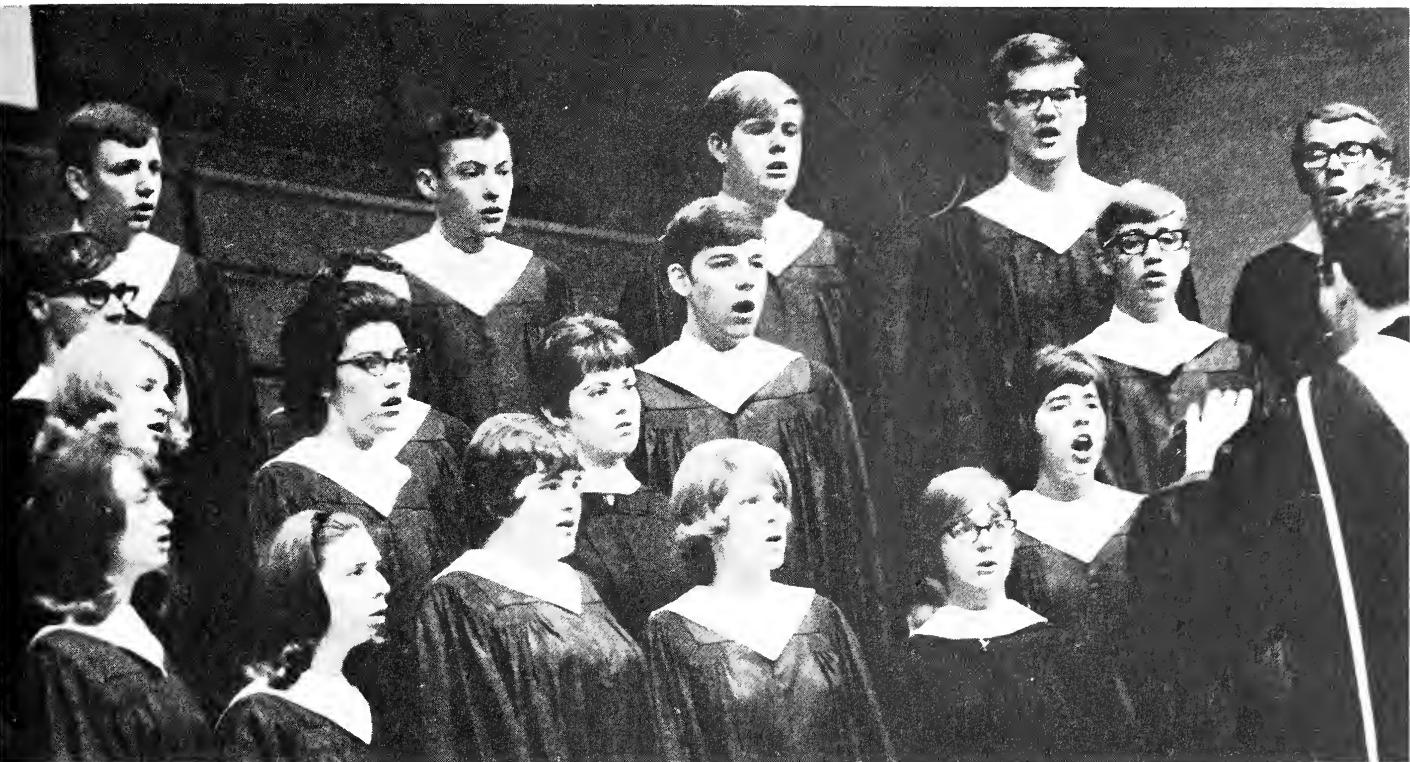
* Study of voice, organ, piano, band and orchestral instruments.

MUSIC EDUCATION

Adviser: Mr. Smith

Course Number	Course Title	Hours 1st Sem.	Credit 2nd Sem.
FIRST YEAR			
English	10a-10b....English Composition	3	3
Foreign Language	10....French, German, Spanish, or Russian	3	3
Biology	14....Introduction to Biology	3	3
Physical Education	10....Physical Education	0	0
Music	10, 11....Sight Singing I & II.....	1	1
Music	12, 13....Ear Training I & II	1	1
Music	14, 15....Harmony I & II	2	2
Music	Applied Music*	3	3
		16	16
SECOND YEAR			
Distribution Requirements	Social Sciences	3	3
Education	20....Social Foundations of Education.....	—	3
Physical Education	20....Physical Education	0	0
Psychology	20....General Psychology	3	—
Religion	12....Intro. to Biblical Thought	3	—
Religion	13....Intro. to the Christian Faith	—	3
Music	20....Sight Singing III	1	—
Music	21....Orchestration and Scoring for the Band..	—	2
Music	22....Ear Training III	1	—
Music Ed.	23....Methods: Vocal; Grades K-3	—	2
Music	24....Harmony III	2	—
Music	Applied Music*	3	3
		16	16





THIRD YEAR

English	20a—20b.....Comparative Literature	3	3
Music	30a—30b.....History of Music	3	3
Music	31.....Form and Analysis I	2	—
Music	32.....Music Literature	2	—
Music Ed.	33A....Methods: Vocal; Grades 4-6	2	—
Music Ed.	33B....Methods: Instrumental; Grades 4-6	1	—
Music Ed.	34A....Methods: Vocal; Jr.-Sr. High	—	2
Music Ed.	34B....Methods: Instrumental; Jr.-Sr. High	—	1
Music	35.....Conducting I	—	2
Music	39.....Keyboard Harmony	—	2
Music	Applied Music*	3	3
		<hr/> 16	<hr/> 16

FOURTH YEAR

Distribution Requirements	Social Sciences	—	3
Psychology	23.....Educational Psychology	3	—
Art	12.....Introduction to Art	3	—
Music	45.....Conducting II	2	—
Music Ed.	40a—40b....Student Teaching	6	6
Music Ed.	43....Seminar in Advanced Instrumental Problems	—	2
Elective .....	.....	—	3
Music	Applied Music*	2	2
		<hr/> 16	<hr/> 16

* Study of voice, organ, piano, band and orchestral instruments.

TEACHING

Advisers: Dr. Ebersole, Mrs. Herr

The requirements listed below are applicable to students certified to teach in the Commonwealth of Pennsylvania.

BASIC REGULATIONS—PENNSYLVANIA STATE PROVISIONAL COLLEGE CERTIFICATES

A. General Education

Certificates are based on the completion of a minimum of sixty (60) semester hours of acceptable courses in general education with not less than twelve (12) semester hours in the humanities and not less than six (6) semester hours in each of the following areas: the social sciences and natural sciences.

These requirements apply to both elementary and secondary fields.



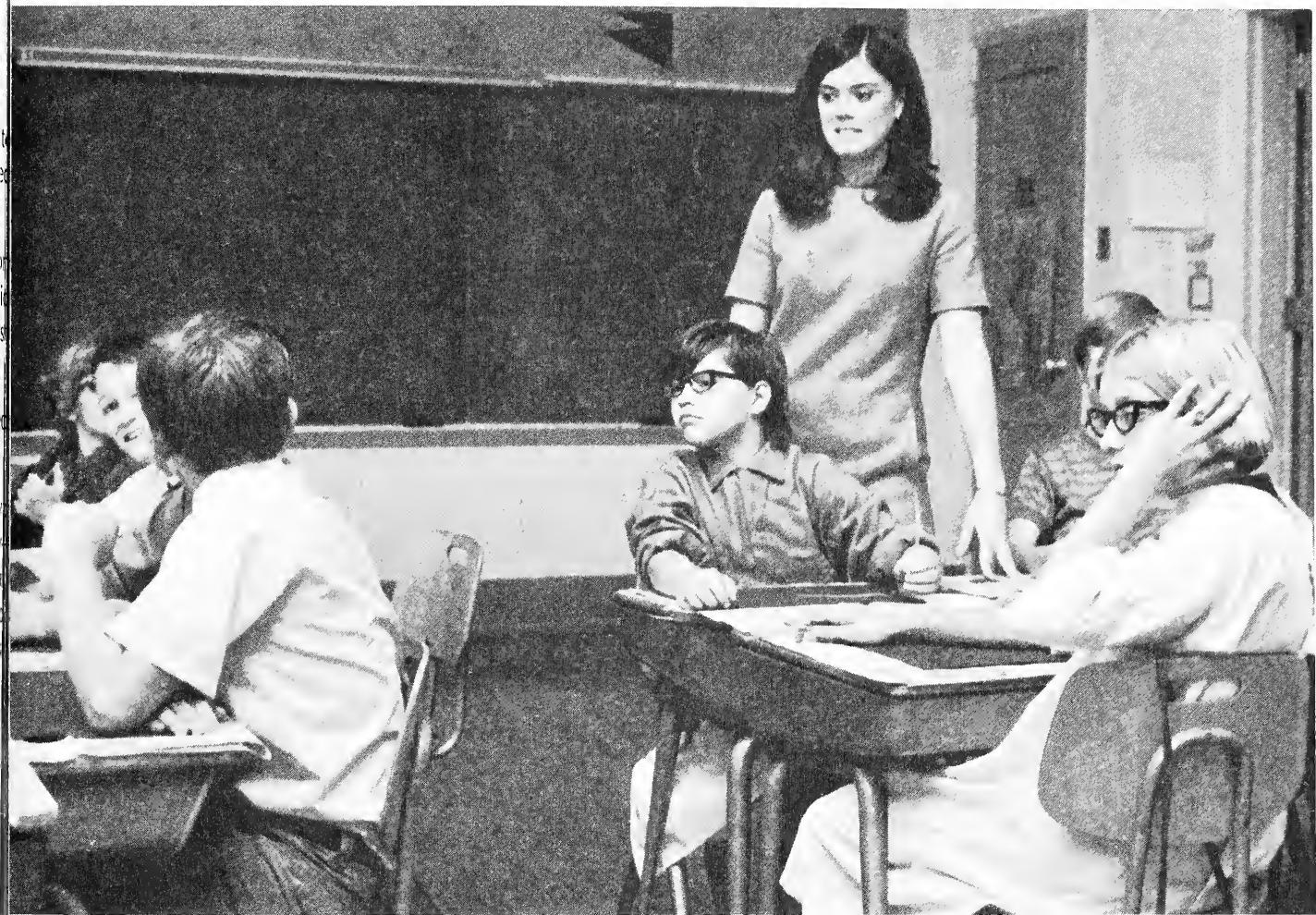
B. Elementary Education—Subject Matter Requirements

The Pennsylvania Instructional I certificate may be issued to those who have completed the program specified on pp. 36-37.

The prospective elementary education teacher is also required to have an academic major or an area of concentration of at least 18 to 24 semester hours.

The area of concentration may be defined as follows:

Study in a single subject such as history; study in a broad field such as sociology, psychology, and anthropology elected from social science; study in an inter-disciplinary field such as courses elected from the humanities, social science, or the natural sciences.



C. Professional Education in Secondary Education

Pennsylvania Instructional I certificates are based on the completion of the approved program in the subject field to be taught in the secondary school and a minimum of eighteen (18) semester hours of professional education distributed in the following areas: social foundations of education, educational psychology, materials and methods of instruction and curriculum, and not less than six (6) of the eighteen (18) semester hours in actual practicum and student teaching experience under approved supervision and appropriate seminars including necessary observation, participation and conferences on teaching problems. The areas of methods and materials of instruction and curriculum, and student teaching shall relate to the subject matter specialization field or fields.

D. Secondary Student Teaching Program

A student concentrating in a major area of interest may, upon the direction of his adviser and approval of the Dean of the College, enroll in one of four student teaching programs.

1. Semester of Professional Training

A student desiring to receive, upon graduation, the Pennsylvania Instructional I certificate devotes the first semester of the senior year to professional preparation. The fifteen weeks are organized as follows:

Six Weeks: Psych. 23. Educational Psychology (effective September, 1970).

3:7½:0. See page 104 for course description.

This course is also offered outside the semester of professional training.

Six Weeks: Ed. 49. Practicum and Methods.

3:7½:0. See page 74 for course description.

Some time is devoted to the presentation of data on basic reading instruction to fulfill certification requirements for the Commonwealth of Pennsylvania.

Nine Weeks: Ed. 40. Student Teaching.

Nine semester hours credit. (First semester)

The student enters on a full-time student teaching experience of not less than nine consecutive weeks. He is under the direction of a trained teacher in an accredited public high school and is counseled and directed by the college supervisor of secondary education. The student teacher also is observed by his major adviser.

Prerequisites for Student Teaching: A student must have met the following requirements to be accepted for student teaching in the professional semester of his senior year:

- a. Maintained satisfactory academic standing.
- b. Completed the basic courses Education 20, Psychology 23, and Education 49.
- c. Secured written approval of his major adviser and the director of student teaching.

2. Post-Graduate Student Teaching

The post-graduate student teaching program is under the direction of Lebans Valley College or, by arrangement, may be pursued with any other accredited institution which has provision for supervising student teaching in the public schools.

Because of the necessity of meeting Pennsylvania state certification requirements of proper supervision, only a limited number of students are accepted in the in-service student teaching program. Likewise, assignments are made only to those schools within the range of the institution responsible for supervising the enrollee.

3. Graduate Internship

A student may enroll in one of many graduate internship programs after graduation from college. For further information contact the chairman of the Department of Education.

4. Summer School Student Teaching Following Graduation

A senior may, upon counsel of his adviser, enroll for a summer student teaching program after graduating from the College.

This student may teach in the Derry Township School System in Hershey or an acceptable summer student teaching program elsewhere.





THE COLLEGE HONORS PROGRAM

The college honors program exists for the following purposes: to provide an opportunity for intellectually able students to develop their abilities to the fullest extent, to recognize and encourage superior academic achievement, and to stimulate all members of the College family to greater interest and activity in the intellectual concerns of college life.

These objectives are pursued by means of a double-phased program consisting of (1) Honors Sections in a number of courses in-

cluded in the general and distribution requirements taken for the most part during the student's freshman and sophomore years, and (2) an Independent Study plan by which a student during his junior and senior years may do individual work within the department of his major concentration. An Honors student may participate in either of these phases of the program without participating in the other. An over-all grade point average of 3.00 is a requirement for the maintenance of Honors status.

Appropriate recognition is given students who successfully complete either phase or both phases of the College Honors Program.

HONORS SECTIONS

Honors Sections are offered in the following courses: English 10a-10b, English Composition; Religion 12, Introduction to Biblical Thought; Religion 13, Introduction to the Christian Faith; Economics 20a-20b, Principles of Economics; English 20a-20b, Comparative Literature; History 24a-24b, Survey of United States History; and Psychology 20, General Psychology. The satisfactory completion of eighteen hours of Honors work is required for official recognition of participation in this phase of the College Honors Program.

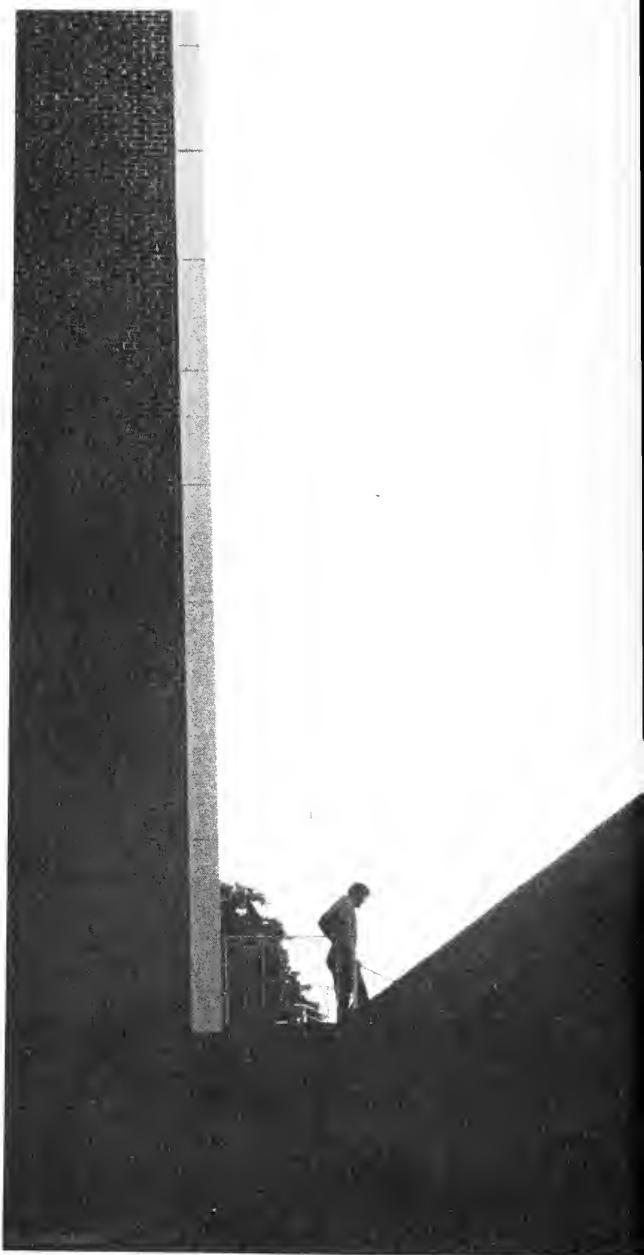
Freshmen are admitted to Honors Sections on the basis of their academic standing in secondary school, performance in the College Entrance Examination Board tests, the recommendation of teachers and counselors, and personal interviews with members of the Honors Council. Students not accepted initially can be admitted to the program at the beginning of subsequent semesters as they demonstrate ability to do superior work.

The seminar and tutorial methods are used to the greatest possible extent, and sections are kept small in size.

INDEPENDENT STUDY

Independent Study is offered for credit in the student's major field in the junior and senior years. Independent Study consists of a reading and/or research program producing a thesis or an essay. The latter is done on a problem or subject of the student's own choosing under the direct supervision of a faculty adviser. Opportunity is afforded to do creative work. A maximum of nine hours credit can be earned in Independent Study.

Independent Study is offered in the following departments: Chemistry, Economics and Business Administration, Elementary Education, English, Foreign Languages, History and Political Science, Mathematics, Music, Philosophy, Physics, Psychology, Religion, and Sociology. For further details regarding requirements and procedures in Independent Study, see the appropriate paragraph under each department in the catalog section "Courses of Study."



AUXILIARY SCHOOLS

SUMMER, EVENING, EXTENSION

Summer sessions, evening classes on campus and extension classes in the University Center at Harrisburg have enabled teachers, state employees, and others in active employment to attend college courses and secure academic degrees. By a careful selection of courses made in consultation with the appropriate adviser, students can meet many of the requirements for a baccalaureate degree. Some courses may be taken for interim, provision-

l permanent teaching certification; others may be taken with the aim of transferring credit to another institution. Many courses lead to professional advancement or are of direct benefit to persons in business or industry while others assist in broadening the student's vocational, social, and cultural background.

SUMMER SESSION

Regularly enrolled students may, by taking summer session courses, meet the requirements for the bachelor's degree in three years. A course in Student Teaching (Education 40) is offered in the summer session at Hershey, Pennsylvania. It is designed to meet the minimum student teaching requirements in the secondary field toward teacher certification in the Commonwealth of Pennsylvania.

CAMPUS EVENING CLASSES

Evening classes are offered on the campus, Monday through Thursday, and carry residence credit.

Separate brochures are published for the Summer Session and the Evening Classes. For copies or for other information pertaining to the Summer Session or Evening Classes write the Director of Auxiliary Schools, Lebanon Valley College, Annville, Pennsylvania, 17003.

UNIVERSITY CENTER AT HARRISBURG

Extension classes are offered in the William Penn High School, Third and Division Streets and at the Center's Campus, 2991 North Front Street, Harrisburg, 17110, on Monday through Thursday evenings and on Saturday mornings. Lebanon Valley College's extension program in Harrisburg is carried on in conjunction with Zabettown College, Temple University, The Pennsylvania State University, and the University of Pennsylvania.

All students admitted and enrolled for a degree at the College are required to secure the permission of the Assistant Dean of the College prior to enrolling for any courses at the University Center at Harrisburg.

For details pertaining to the University Center at Harrisburg write or call the director at 2991 North Front Street, Harrisburg, Pennsylvania 17110, at 238-9694 or 238-9696.



JUNIOR YEAR ABROAD

A Lebanon Valley student may spend his junior year abroad in study under a program administered by an accredited American college or university, or in a program approved by Lebanon Valley College. Such a student must have maintained a B average at Lebanon Valley College, must be proficient in the language spoken in the country in which he will study, and must be a person who in the judgment of the Assistant Dean of the College and the faculty will be a worthy representative of his own country. His proposed course of study must be approved by the chairman of his department and the Assistant Dean of the College.

ACADEMIC PROCEDURES

REGISTRATION

Students are required to register for classes on official registration days of each semester and on designated pre-registration days. Information concerning the dates for official registration is listed in the College Calendar, pages 3 and 5.

LATE REGISTRATION

Students registering later than the days and hours specified will be charged a late registration fee of ten dollars. Students desiring to register later than one week after the opening of the semester will be admitted only by special permission of the Assistant Dean of the College. Students who do not pre-register during the designated time will be charged a late pre-registration fee of ten dollars.

CHANGE OF REGISTRATION

Change of registration, when necessary, must be made over the signature of the adviser. Registration for a course will not be permitted after the course has been in session for one full week. With the permission of his adviser, a student may withdraw from a course at any time within the first six weeks of classes in a semester without prejudice. A fee of \$2.00 is charged for every change of course made at the student's request after registration day.

ORIENTATION FOR NEW STUDENTS

A spring orientation day is held annually for incoming freshmen. At this time the activities include a general orientation to the College, diagnostic testing, counseling with academic advisers and pre-registration for courses. Special sessions for parents are a vital part of the program.

An orientation day for transfer students is held in early summer. At that time, academic counseling and pre-registration for courses are held.

An orientation period of several days, Freshman Week, at the beginning of the college year is provided to help new students, both freshmen and transfers, to become familiar with their academic surroundings. This time is

devoted to lectures, social activities, and formal meetings with members of the faculty.

During the first semester all freshmen transfer students are required to participate in an orientation course which includes a series of lectures and discussions on campus activities and methods of study.

DISCONTINUANCE OF COURSE

The College reserves the right to withdraw or discontinue any course for which an insufficient number of students have registered.

REPETITION OF COURSES

No student shall be permitted to repeat for credit, grade, or quality points a course which he has already received a passing grade.

CONCURRENT COURSES

A student enrolled for a degree at Lebanon Valley College may not carry courses concurrently at any other institution without prior consent of his adviser and the Assistant Dean of the College. Neither may a regular student carry work concurrently in evening extension courses without the prior permission of his adviser and the Assistant Dean of the College.

A student registered at Lebanon Valley College may not obtain credit for courses taken in other colleges, including the University Center at Harrisburg, during the summer unless such courses have prior approval of his adviser and the Assistant Dean of the College.

AUDITING COURSES

Full-time students are permitted to register to audit courses with the consent of the instructor and the academic adviser. The regular tuition fee is charged. Neither grade nor credit is given either at the time the course is audited or thereafter.

FACULTY ADVISERS

Each student is assigned a faculty adviser who serves in the capacity of friendly counselor.

The initial selection of a major may be indicated or recorded any time before the end of the student's sophomore year. Such

ice of department or curriculum in which he may pursue work of special concentration must be made by the time of registration for the prior year. This department or curriculum will be known as his major. The chairman or other member of the department or the adviser of the curriculum in which the student has elected to major becomes the adviser for that student. The adviser's approval is necessary before a student may register for or withdraw from any course.

ARRANGEMENT OF SCHEDULES

Each student arranges his course of study and his class schedule in consultation with, and approval of, his faculty adviser. Students ready in attendance do this during pre-registration periods. Information concerning faculty advisers is given to new students at Spring Orientation Day.

LIMIT OF HOURS

To be classified as full-time, a student must take at least twelve semester hours of work. Fifteen semester hours of work is the maximum permitted without special permission of the Assistant Dean of the College; Physical Education carries no credit.

The privilege of carrying extra hours will be granted only for compelling reasons and only when a satisfactory grade level has been maintained for the previous semester. An additional charge will be made for all hours above sixteen.

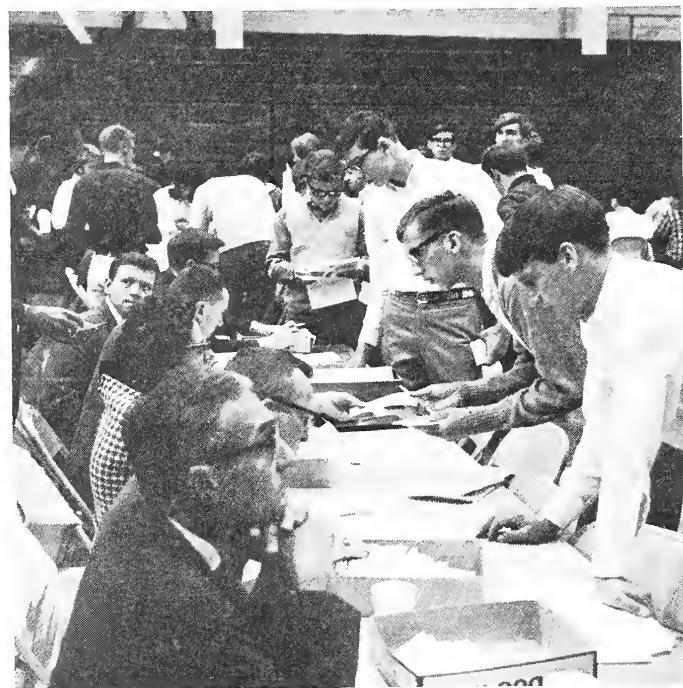
ACADEMIC CLASSIFICATION

Students are classified academically at the beginning of each year. Membership in the sophomore, junior, or senior classes is granted to those students who have earned a minimum of 28, 56, or 84 semester hours credit respectively.

All entrance deficiencies must be removed before the academic status of sophomore is granted.

COUNSELING AND PLACEMENT

Lebanon Valley College recognizes as part of its responsibility to its students the need for providing sound educational, vocational, and personal counseling. Measures of inter-



est, ability, aptitude, and personality, in addition to other counseling techniques, are utilized in an effort to help each student come to a fuller realization of his capabilities and personality. An important part of the counseling program consists of a series of lectures and discussions conducted as a non-credit orientation course for new students.

Placement services are provided by the College for aiding students in procuring part-time employment while in college and in obtaining positions upon graduation. A current file is maintained which contains information about positions in various companies and institutions, Civil Service opportunities and examinations, entrance to professional schools, assistantships, and fellowships. Representatives of business, industry, and educational institutions visit the campus annually to interview seniors for prospective employment. A file of credentials and activities of those students availing themselves of the services is available to prospective employers. Graduates may keep their individual files active by reporting additional information to the Director of Industrial Placement.

A Teacher Placement Bureau which assists students in finding positions is maintained.

Records of students' credentials in all areas of student activities are on file.

ADMINISTRATIVE REGULATIONS

The rules of the College are designed to provide for proper regulation of the academic community. The rules and regulations as stated in this bulletin are announcements and in no way serve as a contract between the student and the College. Attendance at the College is a privilege and not a right. The student by his act of registration concedes to the College the right to require his withdrawal any time deemed necessary to safeguard the ideals of scholarship and character, and to secure compliance with regulations. It is expected that the conduct of all campus citizens will conform to accepted standards. All students are required to respond to communications sent by any duly constituted authority of the College.

CLASS ATTENDANCE

Each student is held responsible for knowing and meeting all requirements for each course, including regular class attendance. Because of differences in various disciplines, specific regulations governing class attendance are set by each department, approved by the Dean of the College, and administered by the instructor. At the opening of each course the instructor will clearly inform the students of the regulations on class attendance. Violations of class attendance regulations will make the student liable to being dropped from the course with a failing grade, upon the recommendation of the instructor and with the approval of the Dean of the College.

Excused absences are granted by the Assistant Dean of the College only for bona fide medical and compelling personal reasons, or for participation in official functions of the College. Students on academic probation are permitted only excused absences.

Excused absences do not absolve the student from the necessity of fulfilling all course requirements.

CHAPEL-CONVOCATION PROGRAM

A chapel-convocation program is held regularly each week. The weekly programs are augmented by not more than eight additional



events at other times during the semester. From this total of twenty-four programs each full-time student will select not less than twelve to fulfill his attendance requirement for the semester. For each unexcused absence, resulting in less than twelve attendances, one hour will be added to the hours required for graduation.

HAZING

Hazing is strictly prohibited. Any infringement by members of other classes upon the personal rights of freshmen as individuals is interpreted as hazing.

CARS AND STUDENT PARKING

Resident students of the three upper classes may have cars on campus. Resident freshmen students are not permitted to have cars.

All cars owned or operated by Lebanon Valley College students must be registered with the Office of the Dean of Men. Violations of established parking regulations will result in fines and may result in suspension or revocation of parking privileges.

TRANSCRIPTS

Each student, former student, or graduate is entitled to one transcript of his college record without charge. For each copy after the first, a fee of one dollar is charged.

REGULATIONS REGARDING ACADEMIC PROBATION, SUSPENSION, DISMISSAL, WITHDRAWAL

PROBATION

A student can be placed on academic probation by the Dean of the College or suspended or dismissed if his academic standing fails to come up to the grade-point average shown in the following table:

	Suspension or Probation	dismissal
semester.....	1.25	
semester.....	1.50	1.25 cumulative
semester.....	1.50	
semester.....	1.70	1.50 cumulative
semester.....	1.75	
semester.....	1.75	1.65 cumulative
& 8th semesters...	1.75	in all courses

A student placed on academic probation is notified of such status by the Dean of the College and informed of the College regulations governing probationers. Students on probation are required to regulate their work in their times so as to make a most determined effort to bring their work up to the required standard.



When a student is placed on academic probation, faculty and parents are notified by the Dean of the College. The Dean of the College may terminate the period of probation of any student. Usually this occurs at the end of a final marking period.

Infraction of the following regulations governing probationers render a student liable to dismissal:

1. No unexcused class absences will be permitted.
2. Any office or activity in any College organization that involves such expenditure of time as to jeopardize the successful pursuit of academic work must be relinquished.

B. SUSPENSION

1. A student who obviously fails to achieve at a level commensurate with his measured ability may be suspended for at least one semester.

2. A student suspended for academic reasons is not eligible for reinstatement for at least one semester, preferably two.

3. A student seeking reinstatement to Lebanon Valley College must apply in writing to the Dean of the College.

4. Students suspended for academic reasons are not permitted to register for work in the Auxiliary Schools except for the most compelling reasons and then only with the approval of the Assistant Dean of the College.

5. A student may be suspended without a prior period on probation.

C. DISMISSAL

A student dismissed for academic reasons is not eligible for readmission.

D. WITHDRAWAL FROM COLLEGE AND READMISSION

Official withdrawal from College is accomplished only by the completion of the withdrawal form obtained in the Office of the Registrar. This is the sole responsibility of the student.

Application for readmission will be considered only if the formal withdrawal procedure has been followed at the time of withdrawal.

Student Activities



THE RELIGIOUS LIFE

Lebanon Valley College was founded as a Christian College and continues to be dedicated to this objective. All students are invited and urged to participate in some phase of religious activity.

THE CHAPEL-CONVOCATION PROGRAM

A series of twenty-four programs is held each semester from which each student selects a minimum of twelve to fulfill attendance requirements. These programs include chapel services and convocation programs that are held on Tuesday mornings, as well as cultural events selected by the Chapel-Convocation Committee. This committee, with equal representatives from administration, faculty and students, will announce the total Chapel-convocation program at the beginning of each semester.

Rationale of Chapel-Convocation Policy

This rationale attempts to clarify the aims and objectives of Lebanon Valley College as they relate to the chapel-convocation policy and program. These goals which have been recently published constantly remind us that this institution was chartered to promote the highest human possibilities. Two principal foci of our chapel-convocation policy and program are: (1) our conception of the distinctive nature of the liberal arts and (2) the character of the academic community we would consciously shape.

Every aspect of educational activity reflects salvific concerns or a scale of values. The liberal arts inevitably raise fundamental questions which require honest regard for ultimate

values and personal commitments. To insure responsible learning and human concern it is necessary to recognize the value-laden nature of all knowledge. Indeed, the liberal arts are not so much courses of study as they are human attributes or personal qualities which enhance the possibility for rational discrimination, uncoerced decision, and responsible commitment. Chapel services and convocation programs are considered therefore not only an opportunity to focus honest criticism upon our qualitative concerns and scale of values, but they are offered as an integrating experience for the development of the whole person. Thus, we believe an authentic liberal arts experience will engender a sense of mystery, reverence, adoration, and celebration of the Highest. Such an experience can be most profitably exercised and creatively structured in communal worship and convocation programs.

Second, we believe a liberal arts college is a community of learning responsibly committed to humanistic values. But human values are not meaningfully experienced in abstraction or in isolation. Indeed, man is truly human only in community and therefore man can be correctly understood only when seen in relation to God and fellowman. As an institution we consciously attempt to shape this community with reference to the values we see in Jesus Christ whom we confess to be our highest norm of truth and goodness; in Him we see authentic humanity as God's intention for all men. This orientation is not in any way an exclusion or demeaning of non-Christians; rather, such a confession positively requires a good will and sincere openness to all persons without exception. When a college seeks community at its highest and deepest levels through corporate learning and worship it does so for the same reason it provides

a library, gymnasium, theatre, or laboratory, namely, opportunity for the highest human development. Of course it is fatuous to assume that every opportunity offered in college will prove to be an occasion for an enriching experience for every student; but that fact does not excuse the college from providing opportunities for experiences considered most essential to the realization of man's highest potential.

In summary, a liberal arts institution may engage in a sort of quasi-education and will fail to serve the whole person if it defaults in its confrontation with qualitative concerns, deflects from commitment to ennobling values, or denies the need for corporate celebration of life's highest good. Granted our conception of the nature of the liberal arts and the particular kind of community we seek to be, provision for corporate worship and convocation programs is integral to our total reason for being a liberal arts community committed to a definitive value-orientation, i.e. Christian, to life.

SUNDAY SERVICES

The United Methodist Church and the other churches of the community extend a warm welcome to all college students who wish to attend Sunday worship.

There are seven churches of different denominations in Annville itself. Other parishes of major religious groups not found in Annville are located within a five-mile radius of the College.

THE STUDENT CHRISTIAN ASSOCIATION

The Student Christian Association begins the year with a Big Sister-Little Sister, Big Brother-Little Brother program, and initiates a week of activities to welcome the incoming freshmen. Throughout the year the organization sponsors faculty firesides where students spend an evening at home with the professors, and all-campus retreats for fun, fellowship and relaxation. Student Christian Association provides special seasonal services, opportunities for weekend work camps, and presentations by

guest speakers for intellectual and spiritual stimulation. All students are welcome to participate in the planning of and to participate in activities.

RELIGIOUS EMPHASIS WEEK

This is one of the outstanding religious events of the school year. Notable speakers are invited to share their experiences with the student body through classroom lectures, seminars, convocations, and personal interviews.

THE BALMER SHOWERS LECTURESHIP

This annual lectureship was established and endowed by the late Bishop Emeritus, Balmer Showers, '07, of the Evangelical United Brethren Church. Under the stipulation of the endowment, the lectures are delivered by distinguished scholars of recognized leadership in the areas of Christian faith and theology, biblical archaeology and interpretation, and Christian ethics of the Christian ministry.

RELIGION AND LIFE LECTURESHIPS

The purpose of the Religion and Life Lectureships is to deepen the student's understanding of some of the problems of life and the religious resources that are available to meet such problems. Each semester a Christian leader of national or international repute is invited to spend a day on campus in order to confer with students and faculty, to conduct seminars, and to address the entire college community.

DELTA TAU CHI

Delta Tau Chi is an organization composed primarily of students who have decided to devote full-time service to church vocations. Membership is open, however, to all students who wish to participate in the activities of the organization. The group holds regularly scheduled meetings, daily morning prayers, sends deputations to churches, conducts programs at various hospitals and homes, and enters into other community projects.

CAMPUS ORGANIZATIONS

SOCIAL ORGANIZATIONS

Five organizations endeavor to enrich the social program of the College by sponsoring social activities on the campus and in the community, and by broadening the experience of its members through group action.

Lambda Sigma
Alpha Lambda Sigma
Alpha Lambda Nu
Delta Lambda Sigma
Sights of the Valley

COGNITION GROUPS

Students who have achieved scholastic distinction in their academic work or in certain areas are eligible for membership in honorary scholastic societies.

Alpha Epsilon
Beta Beta
Gamma Mu
Chi

HONORARY AND SERVICE ORGANIZATIONS

Six organizations exist to bring recognition to deserving music students and participants in dramatic activities or to function as service organizations on the campus.

Phi Omega
Psi Omega
White Hats
Mu Alpha
Gamma Alpha Iota
Lambda Sigma Sigma

PUBLICATIONS

Practical experience in management, writing, and editorial work is available to students through membership on the staffs of the college yearbook and the campus newspaper.

The Quittapahilla
La Vie Collégienne

DEPARTMENTAL CLUBS

Many departmental clubs provide opportunities for students to participate in supplemental department activities. At regular meetings reports on appropriate topics are

presented and discussed. Other activities sponsored by the departmental clubs include lectures by specialists in the club's particular field of interest, educational films, and field trips.

Chemistry: American Chemical Society Affiliate
Economics: Investment Club
Education: Childhood Education Club, Student P.S.E.A.
English: Green Blotter Club
Mathematics: Industrial Mathematics Society Affiliate
Modern Languages: French Club, German Club, Russian Club
Physics: Physics Club, Student Section of the American Institute of Physics
Psychology: Psi Chi

DRAMATICS AND MUSIC

An opportunity to develop dramatic, forensic, and musical talents under qualified leadership is offered to the students of Lebanon Valley College by the following organizations:

Symphonic Band
All-Girl Band
College Chorus
Concert Choir
Chapel Choir
Symphony Orchestra
Wig and Buckle Club
Guild Student Group (American Guild of Organists)

CULTURAL OPPORTUNITIES

Lebanon Valley College offers cultural programs in the form of the Great Artists Series, concerts by students, faculty members, and musical organizations in the Department of Music, and lectures sponsored by the various departments of the College. In addition, the neighboring communities of Harrisburg, Hershey, and Lebanon offer concerts, lectures, and other cultural activities throughout the year.

STUDENT GOVERNMENT

Ultimate responsibility for activities on the college campus rests with the faculty and the administration. However, the faculty and the administration have delegated powers and responsibilities to the student governing bodies so that, to a large extent, students govern themselves. The College encourages initiative and self-government as a part of the democratic training offered.

The representative organizations described below were established to function in areas of student government. They are privileged to conduct the affairs of the student body of Lebanon Valley College under their separate responsibilities so as to guide and promote the affairs of the students and in accordance with local, state and federal laws and general institutional rules.

STUDENT COUNCIL

The Student Council seeks to foster understanding and cooperation among the students, faculty and administration of Lebanon Valley College. It is the elected group that acts as the central clearing house for all recommendations and grievances, outside the area of responsibility of the Student Senate, which emanate from the student body. The Student Council also coordinates student activities and provides for the financing of those activities. It is composed of fifteen members.

STUDENT SENATE

The Student Senate, composed of twelve elected members, is the student disciplinary body. In addition to rendering decisions concerning student justice and assigning punishments for rule violations, it has the responsibility of establishing social rules and regulations in accordance with the general rules of the College. One of the key concepts that underlies student government is that it is the responsibility and obligation of each student to enforce the rules that have been established by the Student Senate. A Senate Handbook is distributed to all new students at the start of the school year.



STUDENT GOVERNMENT EXECUTIVE COMMITTEE

The highest authority in matters of student government at Lebanon Valley College is the Executive Committee. This group, composed of four students, two administrators, two faculty members, and the President of the College who serves as chairman, has authority to make major policy changes upon recommendation by the Student Senate or Student Council. It acts on matters or appeals referred to it by students, faculty members, administrators, the Student Senate, or the Student Council.

ATHLETICS AND RECREATION

Lebanon Valley College maintains a full program of intramural and intercollegiate athletic activities. Intramural leagues and tournaments are conducted in the various sports for men, while the women acquire points toward individual awards by participation in the women's intramural program. The college participates in seven intercollegiate sports for men (basketball, cross-country, football, golf, lacrosse, track, wrestling) and two for women (basketball and soccer). There are two athletic organizations on the campus, the LV Varsity Club for men and the Women's Athletic Association.

Lebanon Valley College is a member of the following national and regional athletic associations: National Collegiate Athletic Association, Middle Atlantic States Collegiate Athletic Conference, Eastern College Athletic Conference, and Central Pennsylvania Field Hockey Association.



AIMS AND OBJECTIVES OF INTERCOLLEGiate ATHLETICS

Lebanon Valley College supports its intercollegiate athletics program because it offers its students an opportunity to participate in activities that afford an outlet for competitive spirit and vitality, while further providing each student with an opportunity to develop, understand and appreciate the values of teamwork, pride, morale, dedication, physical fitness and school spirit.

Courses of Stud



GENERAL INFORMATION

COURSE NUMBERING SYSTEM

Courses are numbered as follows: 1-19 indicates courses offered at the freshman level; 20-29 indicates courses offered at the sophomore level; 30-39 indicates courses offered at the junior level; 40-49 indicates courses offered at the senior level; 101-142 indicates courses in applied music.

If the year is not indicated after a course, it is understood that the course is offered every year. Courses that continue throughout the year are listed in two ways. If either semester may be taken as a separate unit, without the other semester, the course will be listed as a and b. For example, a student may take English 21b even though he has not had English 21a and does not expect to take it. But if no letter is indicated with the course number, a student may not enter the course at mid-year.

COURSE CREDIT

Semester hours of credit, class hours per week, and laboratory hours per week are indicated by three numbers immediately following the course title, i.e., "4:2:4 per Semester" following "Biology 18" means four semester hours of credit, two classroom hours per week, and four laboratory hours per week each semester.





ART

Instructor Iskowitz

12. Introduction to Art.

3:3:0. Either semester

Program seeks to develop an increase in an understanding of the nature of art as expressed through the visual art forms. Emphasis is made of the importance of the development of individual perception for a qualitative increase of appreciation of the functional role of the artist, the viewer, and the critic in their given culture. Lecture, problems using various elements of compositional structure with various media, visual aids, supplementary readings, field trips.

Prerequisite to other art courses.

14. Studio Drawing and Painting.

2:1:2 per semester

Problems offered which attempt to provide maximum opportunity for development of the creative capacity of the individual in terms of active involvement with examination and exploration of the limits of inherent qualities of various media, techniques, and tools as related to the various arts forms. Emphasis is placed on the strengthening of qualities of sound structure, good drawing, fine craftsmanship, together with those of esthetic quality.

21a. Art History, Pre-history through the Middle Ages.

3:3:0. First semester.

Consideration of representative visual expressions of the major cultures of the successive historic periods included. Stress given to the interaction of factors influencing the various forms of visual expressions. Lecture, discussion, visual aids, and assignment of breadth to encourage individual research in area of developing interest.

Prerequisite: Art 12.

21b. Art History, Renaissance to Twentieth Century.

3:3:0. Second semester.

Study of the major forms of the visual arts representative of the Renaissance and succeeding centuries as expressed both by the individual and major schools. These viewed in terms of degree of reflection of the social, ideological, and economic foci of the period. Lecture, discussion, visual aids, supplementary assignments.

Prerequisite: Art 12.

32. Art in the Elementary School.

3:2:2. First semester.

Survey of theories of art education and of programs of creative process activities adaptive to the various levels of maturation at the elementary level. Studio experience employing a variety of media and techniques is offered to give experience and understanding to the problems involved. Practical knowledge of process, sources of supply, approaches to display, and trends in evaluation of process are presented through lecture, discussion, demonstration, visual aids, supplementary reading.

Prerequisite: Art 12.



BIOLOGY

Professor Light; Assistant Professors Argot, Bollinger, Malm, Wolf and Wolfe

The work outlined in the following courses in biology is intended to develop an appreciation of man's relation to his universe, to acquaint students with those fundamental concepts necessary for the proper interpretation of the phenomena manifested by the living things with which they are surrounded, and to lay a foundation for specialization in professional courses in biology.

The courses are designed to prepare students for the work in professional schools, schools for medical technologists, hospital schools for training of nurses, for graduate work in colleges and universities, for teaching the biological sciences in high schools, and for assistantships in university and experiment station laboratories in the departments of agriculture and other government agencies.

Major: Biology 18 and 22, Chemistry 13, 24, and 25, Physics 10 or 17, Math 1 or three hours of mathematics other than Math 10 or Math 12, one semester of Biology 40.1, and sixteen additional hours in Biology.

14. Introduction to Biology.

3:2:2 per semester.

The central theme is human life, its relation to, and dependence upon, biological phenomena. The course is designed for the non-science major; however, modern concepts of chemistry and physics will be utilized to explain biological problems.

The laboratory includes exercises in botany, genetics, ecology, anatomy, and physiology.

18. General Biology.

4:2:4. per semester.

Representative forms of plant life are studied the first semester and representative forms of animal life the second semester. Structure, and biological laws and principles are stressed. This course or its equivalent is prerequisite to all other courses in the department.

21. Microbiology.

4:2:4. First semester.

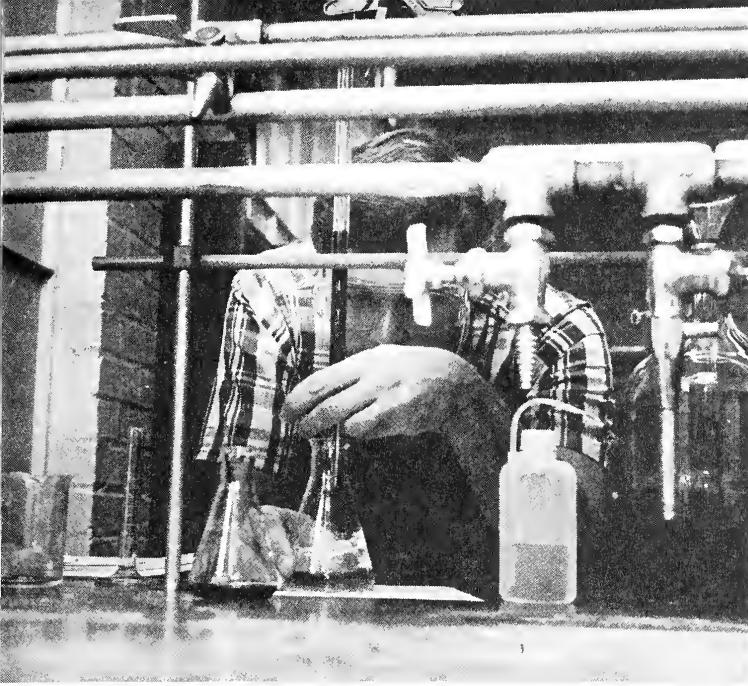
A basic study of the morphology, physiology, and biochemistry of representative microorganisms.

22. Genetics.

4:3:2. Second semester.

This course deals with the mechanism and laws of heredity and variation, and their practical applications.

- 28. Botany.** 4:2:4. Second semester
The course is designed to deal with the broader aspects of plants, emphasizing a study of the taxonomic, ecological, evolutionary and pathological principles. Consideration will be given to the local flora, with emphasis being placed on those features which indicate relationships of the various families.
- 29. Biology of the Chordates.** 4:2:4. First semester
The anatomy of the chordates is studied from a comparative viewpoint with particular attention given to the correlation of structure to living conditions. Laboratory work involves dissection and demonstration of representative chordates.
- 30. Comparative Histology and Microtechnique.** 4:2:4. First semester
Microscopic anatomy of invertebrate and vertebrate tissues illustrating basic tissue similarities and specializations in relation to function. The laboratory includes the preparation of slides utilizing routine histological and histochemical techniques.
- 31. Developmental Biology.** 4:2:4. Second semester
The study of basic descriptive phenomena in the development of typical invertebrate and vertebrate embryos will be extended into consideration of modern embryological problems.
- 32. Animal Physiology.** 4:2:4. Second semester
This course presents the basic concepts of physiology, with special reference to man.
- 34. Plant Physiology.** 4:2:4. First semester
This course acquaints the student with the various functions of parts of plants. It includes lectures and experimental work on the processes of photosynthesis, nutrition, respiration, growth, the role of hormones, digestion, absorption, etc.
- 35. Invertebrate Zoology.** 4:2:4. Second semester
A study of the anatomy, physiology, and life histories of representatives of most of the invertebrate phyla.
- 40.1 Biology Seminar.** 1:1:0 per semester
Readings, discussions, and reports on modern trends in biology.
- 41. Ecology.** 4:2:4. First semester
The fundamental concepts of ecology are examined with emphasis placed on the interaction between organisms and their biological and physical environment in selected ecosystems—freshwater, marine, and terrestrial. Field trips will be taken to selected areas. Laboratories will be conducted on problems associated with various types of ecosystems.
Prerequisites: Two semesters of biology beyond Biology 18 or permission of the instructor.
- 44. Special Problems.** 1-3 hours credit per semester
Limited to students majoring in biology who have had ample courses in the department and whose records indicate that they can be encouraged to take part in research or can work independently on research problems in which they have a special interest.
It is also for those who have had most of the courses required for their major but who may have a special need for experience in fields not listed in the course offerings of the department.
Prerequisite: Permission of staff.
- 45. Cellular Physiology.** 4:2:4. First semester
Cell function and structure: a basis for a deeper understanding of those processes common to living things.
For Senior or Junior majors who have completed at least two years of chemistry.



CHEMISTRY

Professor Neidig; Associate Professors Griswold and Lockwood; Assistant Professor Spencer; Instructor Bell

The aims of the department are: (1) to provide students majoring in chemistry rigorous training in the principles and applications of modern chemistry; (2) to provide students interested in the teaching profession an opportunity to become acquainted with the teaching of science; and (3) to offer students interested in advanced study or in industrial employment professional training in chemistry.

Major: Chemistry 24, 25, 30.1, 36, 37, 38, 39 and 4 hours of 44.

B.S. in Chemistry (certified by the American Chemical Society): Chemistry 24, 25, 30.1, 36, 37, 38, 39, 41, 45, 47 and 4 hours of 44.

For outline of course leading to the degree of B.S. in Chemistry, see pages 32-33.

INDEPENDENT STUDY

Juniors and seniors may participate in the Independent Study program if they have demonstrated a high scholastic ability and proficiency in both experimental and theoretical chemistry. To be recommended for departmental honors, a student is required: (1) to submit a thesis based on extensive laboratory investigation of an original problem; (2) to defend the thesis before an appropriate examining committee.

13. Principles of Chemistry. 4:3:3 per semester.

A systematic study of the fundamental principles and concepts of chemistry.

24. Chemistry of the Covalent Bond. 4:3:4. Second semester.

The presentation of the structure and chemistry of covalent compounds including thermodynamic and kinetic considerations.

Prerequisite: Chemistry 25.

25. Reaction Kinetics and Chemistry Equilibria. 4:3:4. First semester.

An investigation of chemical systems involving a study of reaction kinetics and equilibria, emphasizing the reaction of ionic substances and using modern analytical methods.

Prerequisite: Chemistry 13 or demonstrated equivalent background.

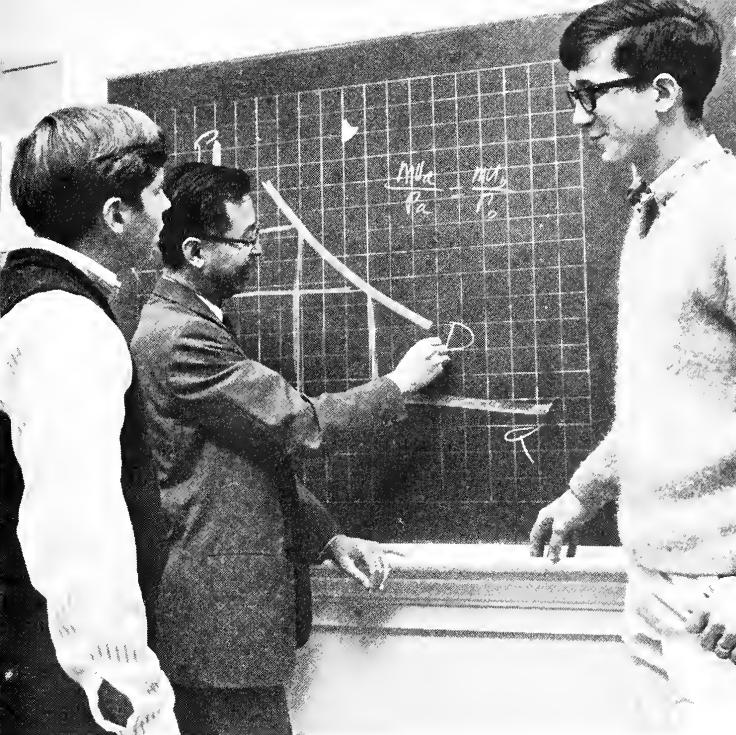
30.1. Laboratory Investigations II. 2:0:8. Second semester.

Physical-chemical investigations of chemical systems.

Prerequisite: Chemistry 36 (first semester).

Corequisite: Chemistry 36 (second semester).

36. Physical Chemistry.	3:3:0 per semester.
A course in the physical theories of matter and their applications to systems of variable composition.	
Prerequisites: Chemistry 25 and Mathematics 11.	
Corequisite: Physics 17.	
37. Organic Chemistry.	5:3:8. First semester.
A study of the preparation, properties, and uses of the aliphatic and aromatic compounds with emphasis on the principles and reaction mechanisms describing their behavior.	
Prerequisite: Chemistry 24.	
38. Instrumental Analysis.	3:3:0. Second semester.
A consideration of the use of instrumental analytical methods including spectrophotometric, electroanalytical, coulometry, and polarography.	
Prerequisite: One semester of Chemistry 36.	
Corequisite: A second semester of Chemistry 36.	
39. Laboratory Investigations I.	1:0:4 per semester.
Use of instrumental techniques for investigating chemical systems.	
Prerequisite: Chemistry 24.	
Corequisite: Chemistry 36.	
41. Advanced Organic Chemistry.	3:3:0. Second semester.
A consideration of the structure of organic compounds and the mechanisms of homogeneous organic reactions.	
Prerequisites: Chemistry 36 and Chemistry 37.	
43. Biochemistry.	4:3:4. First semester; 3:2:4. Second semester.
A course in the physical and organic aspects of living systems.	
Prerequisite: Chemistry 25 and Chemistry 37.	
44. Special Problems.	2:1:4 per semester. A maximum of eight semester hours credit may be earned in this course.
Intensive library and laboratory study of topics of special interest to advanced students in the major areas of chemistry. For students preparing for Secondary School Teaching, the emphasis is placed on methods of teaching Chemistry.	
Prerequisites: Chemistry 36, and the consent of the Chairman of the Department.	
45. Advanced Analytical Chemistry.	3:3:0. First semester.
A study of advanced topics in analytical chemistry.	
Prerequisites: Chemistry 36 and Chemistry 38.	
46. Qualitative Organic Analysis.	2:0:8. First semester.
Presentation of the principles and methods of organic analysis.	
Prerequisite: Chemistry 37.	
47. Advanced Inorganic Chemistry.	3:3:0 per semester.
An advanced course applying theoretical principles to the understanding of the descriptive chemistry of the elements.	
Prerequisites: Chemistry 36 and Physics 27.	
48. Advanced Physical Chemistry.	3:3:0. Second semester.
A presentation of advanced topics in chemistry from such areas as quantum mechanics, thermodynamics, and kinetics.	
Prerequisite: Chemistry 36.	



ECONOMICS AND BUSINESS ADMINISTRATION

Professor Tom; Assistant Professors Maniyar and Peterke; Instructors Gates and Grace

The aim of Lebanon Valley College is to give its students the opportunity to procure a liberal education of the highest quality. Thus within this general objective of the College, the program of study in Economics and Business Administration at Lebanon Valley College is designed to provide for its own major:

1. A broad and liberal education so that graduates of this Department will play a more active role in our changing world of ideas and actions; and
2. A sound and integrated knowledge of the essential principles and problems of economics and business administration.

Major: Economics 20a-20b, first semester of Economics 23, Economics 35, 36, 40.2, 40.3 and 48, and 6 additional hours as approved by the adviser.

For an outline of the suggested program in Economics and Business Administration, see pages 34-35.

Economics 20a-20b is a prerequisite for all courses in this department of a higher number except Economics 23 and 32a-32b.

A concrete effort is afoot nationally to promote an understanding of the American economy. In an effort to raise the level of economic literacy, the Commonwealth of Pennsylvania and other states have prescribed the introduction of economics in the secondary schools. The Department of Economics and Business Administration offers an approved program for the granting of Teacher Certification in Comprehensive Social Studies with a major in Economics as approved by the Department of Education of the Commonwealth of Pennsylvania.

INDEPENDENT STUDY

The purpose of the departmental Independent Study program is to provide opportunity for capable students to undertake advanced academic work independently under supervision of one or more members of the department.

In order to participate in the departmental Independent Study program, the applicant is required to:

1. demonstrate in his academic work the caliber of scholarship required to undertake extensive research projects;

2. apply for and receive permission for such participation from the Departmental Chairman and from the Dean of the College no later than the end of the first semester of the junior year;
3. obtain departmental approval of a research project;
4. prepare a paper on the research project under the guidance of one or more staff members of the department;
5. submit the paper in April of the senior year; and
6. present and defend the paper before a faculty committee selected by the Departmental Chairman and the Dean of the College.

On the basis of the student's performance in the Independent Study program, the Departmental Chairman and the Dean of the College will determine whether or not the student will be graduated with departmental honors.

ECONOMICS

20a-20b. Principles of Economics.

3:3:0 per semester.

An introductory course in economic principles: consumption, production, banking and monetary theories and policies, governmental activities and fiscal policies, price system and allocation of resources, price levels and business fluctuation, theory of employment and income, and international economics.

Prerequisite for courses of a higher number within the department, except 23 and 32a-32b.

36. Money and Banking.

3:3:0. Second semester.

Nature and functions of money and credit, credit instruments and the money market, development and role of commercial banking and central banking, and structure and functions of the Federal Reserve System. Monetary and banking theory, policy, and practice. Influence on prices, level of income and employment, and economic stability and progress.

37. Public Finance.

3:3:0. First semester.

Revenues and expenditures and economic functioning of the federal, state, and local governments; principles of taxation—shifting, incidence, and burden; influence on incentives, income distribution, and resource allocation; economic and social aspects of public spending; budgetary control and debt management; fiscal policy and economic stability.

38. International Economics.

3:3:0. First semester.

A study of theories of trade; capital movement; mechanism for attaining equilibrium; economic policies such as tariff, quota, monetary standards and exchange, state trading, cartel, and other economic agreements; the International Monetary Fund and the International Bank for Reconstruction and Development.

40.1. History of Economic Thought.

3:3:0. Second semester.

The evolution of economic thought through the principal schools from Mercantilism to the present. Attention will be given to the analysis of the various theories of value, wages, interest, rent, profit, price level, business cycles, and employment, and to the influences of earlier economic ideas upon current thinking and policy-making.

40.2. Microeconomic Analysis.

3:3:0. First semester.

Theories of demand, production, price, and resource allocation.

40.3. Seminar and Special Problems.

3:3:0. Hours to be arranged.

Independent study and research in economics, business administration, or accounting under the direction and supervision of the departmental staff.

- 40.4. Macroeconomic Analysis.** 3:3:0. Second semester.
Theoretical and empirical study of national income and business cycles.
- 41. Economic Growth.** 3:3:0. First semester.
Theoretical and empirical study of economic development.
- 46. Econometrics.** 3:3:0. Second semester.
An introductory application of mathematical concepts and statistical methods to economic theories and policies.
- 48. Labor Economics.** 3:3:0. First semester.
Analysis of the American labor movement; theories, history, structure, and functions of unionism; individual and collective bargaining policies and practices; labor legislation; grievances; arbitration.

BUSINESS ADMINISTRATION

- 23. Principles of Accounting.** 4:3:2 per semester.
Accounting principles and their application in service, trading, and manufacturing business operating as single proprietorships, partnerships, and corporations. Topics studied include: the accounting cycle—journalizing, posting, worksheet, financial statements, adjusting, closing; basic partnership problems—formation, distribution of profits, dissolution; corporation and manufacturing accounting; basic problems of depreciation, depletion, valuation; introduction to analysis, interpretation, and use of financial statements.
Accounting, a language of business, provides a tool to implement work in other fields of business administration.
- 30. Intermediate Accounting.** 3:3:0. First semester. Offered 1970-1971.
Intensively covers valuation accounting relating to working capital items—cash, temporary investments, receivables, inventories, current liabilities; non-current items—investments, plant and equipment, intangible assets and deferred charges, and long-term liabilities; and corporate capital. Includes nature of income, cost, and expense; statement of source and application of funds; and statement preparation and analysis. Attention is given to relevant official pronouncements in accounting. CPA examination accounting theory questions are utilized.
Prerequisite: Economics 23.
- 31. Advanced Accounting.** 3:3:0. Second semester. Offered 1970-1971.
Accounting for joint ventures; special sales procedures—installment, consignment, agency and branch; parent and subsidiary accounting—consolidations and mergers; fiduciary and budgetary accounting—statement of affairs, receivership, estates and trusts, governmental accounting; foreign exchange; insurance; actuarial science and applications. Attention is given to relevant official pronouncements in accounting. CPA examination accounting problems are utilized.
Prerequisite: Economics 30.
- 32a-32b. Business Law.** 3:3:0. per semester. Offered 1970-1971.
Elementary principles of law generally related to the field of business including contracts, agency, sales, bailments, insurance, and negotiable instruments.
- 35. Marketing.** 3:3:0. Second semester.
As a branch of applied economics, this course deals with (1) the application of economic theory in the distribution of economic goods on the manufacturers' and wholesalers' level; (2) the methods of analysis on the product, the consumer, and the company, and (3) the administrative decisions on product planning, distribution channels, promotional activities, sales management, and price policy. To bridge the gap between the understanding and the application of marketing principles, students are required to prepare and discuss a number of cases pertaining to some specific areas of marketing.

- 40.5. Auditing.** 3:3:0. First semester. Offered 1971-1972
Study and appraisal of current auditing standards and related literature.
Prerequisite: Economics 23.
- 42. Income Tax Accounting.** 3:3:0. Second semester. Offered 1971-1972
Analysis of the Federal Income Tax Law and its applications to individuals, partnership fiduciaries, corporations; case problems; preparation of returns.
Prerequisite: Economics 23, or consent of instructor.
- 43. Cost Accounting.** 3:3:0. Second semester. Offered 1971-1972
Industrial accounting from the viewpoint of material, labor, and overhead costs; the analysis of actual costs for control purposes and for determination of unit product costs; assembling and presentation of cost data; selected problems.
Prerequisite: Economics 23.
- 44. Corporation Finance.** 3:3:0. First semester
A study of organizing a business, financing permanent and working capital needs, managing income and surplus, expanding through internal growth and combination, recapitalization and reorganization. Forms of business organization; charter and by-laws; directors, officers, and stockholders; stocks and bonds; dividend policy; concentration and anti-trust legislation.
Prerequisite: Economics 23.
- 45. Investments and Statement Analysis.** 3:3:0. Second semester
Development and role of investment and its relation to other economic, legal, and social institutions. Investment principles, media, machinery, policy, and management are discussed. Financial statement analysis is stressed and designed for preparation as Certified Public Accountants and/or Chartered Financial Analysts.
- 49. Industrial Management and Personnel Administration.** 3:3:0. First semester
Principles of decision making in business management. Personnel policies and practices.





EDUCATION

Professor Ebersole; Associate Professor Weast; Assistant Professors Herr, Kerr and Petroes

The aim of the Department of Education is to acquaint students with the art of teaching and to develop in each prospective teacher a full realization of his responsibilities in this profession.

Courses are provided to comply with state certification in the elementary and secondary fields of the public schools.

For a statement of requirements for those planning to enter the teaching profession, see pages 36-37 and 44-46.

ELEMENTARY EDUCATION

Major: Elementary Education 22, 23, 34, 36, 37, 40, 43, 44; Art 32; Geography 10; Psychology 21.

INDEPENDENT STUDY

Independent Study in elementary education permits the capable student to increase the depth of his understanding in an area of special interest and the general scope of his knowledge of elementary education. It is planned as an integral part of the student's major program rather than work superimposed upon it.

A student majoring in elementary education may participate in the Independent Study Program when he completes the freshman-sophomore College Honors Program or when he demonstrates in his academic work the caliber of scholarship required to undertake an extensive research project; achieves a 3.3 grade-point average in departmental courses and a 3.0 grade-point average in all college courses; applies in writing to the chairman of the department not later than the end of the first semester of his junior year. Approval of the application must be given by the Dean of the College upon recommendation by the department staff.

A maximum of nine credit hours may be earned in this program. These hours will be distributed over the junior and senior years with a minimum of one and a maximum of three hours to be taken in one semester. This must include participation in the Senior Seminar, Elementary Education 44, required of all students majoring in elementary education. The student will investigate an area of special interest begin-

ning with the study of the literature and culminating in the design and execution of an approved experimental or theoretical research project; submit to the departmental chairman periodic progress reports and any other indication of performance that may be required by the department; complete the project by April of the senior year; report and defend the findings of the project in a manner to be determined by the departmental staff.

Graduation with Honors in Elementary Education will depend on the quality of performance in the research project, the maintenance of the grade point average required for admission to the program, success in the comprehensive student-teaching program, and the final approval of the departmental staff and the Dean of the College.

EDUCATION COURSES For Both Elementary and Secondary Education

20. Social Foundations of Education.

3:3:0. Either semester

A study is made of the history of education correlated with a survey of the principles and theories of noted educational leaders. Emphasis is placed on the influence these leaders and their followers have made on school and society.

Required for elementary and secondary certification.

30. Educational Measurements.

3:3:0. First semester

A study of the principles of validity and reliability, appraisal and construction of test items and consideration of the uses of test results.

Recommended elective in elementary and secondary fields.

Prerequisite: Psychology 20.

41. An Introduction to Guidance.

3:3:0. Second semester

An overview of guidance in the public schools including the history, philosophy and development of programs. Procedures and instruments to be employed by the classroom teacher; creation of conditions for mental health; relation of guidance to other phases of instruction.

Prerequisites: Education 20; Psychology 20 and 23.

42. The Education of the Exceptional Child.

3:3:0. Second semester

A general view of the practices and programs for the education of exceptional children and youth. The study includes children with physical, mental, and emotional handicaps; gifted children. Observation in special classes, child study, and the survey of curricular materials used in their education are part of the requirements.

Prerequisites: Education 20; Psychology 20 and 23.

45. Visual and Sensory Techniques.

3:3:0. Second semester

Psychological bases for sensory aids; study and appraisal of various aids; use of apparatus, sources of equipment and supplies.

Recommended elective in elementary and secondary fields. Open only to seniors preparing to teach or enter the ministry.

Prerequisites: Education 20; Psychology 20 and 23.

ELEMENTARY EDUCATION

El. Ed. 22. Music in the Elementary School.

3:3:0. Second semester

Fundamentals of music, movement to music, study of child voice, materials and methods for the different grades, and a survey of the literature used in the public schools.

El. Ed. 23. The Physical Sciences in the Elementary School.

3:2:2. Second semester

Recent developments in arithmetic and science and the applications in the classroom; curriculum planning; modern teaching methods; instructional materials; demonstrations and

experiments adapted to the elementary classroom.

Prerequisites: Elementary Education 25; one year of a laboratory science.

El. Ed. 25. Mathematics for the Elementary Grades. 3:3:0. Second semester.

An introduction to the fundamental concepts of mathematics and a survey of the new and old in mathematical disciplines as applied in the elementary school.

El. Ed. 34. Teaching of Reading. 3:3:0. First semester.

A study of the problems and procedures of instruction in the development of basic reading skills. Effective reading programs, courses of study, teaching and learning materials, and research studies in this field are investigated and evaluated.

El. Ed. 36. Communications and Group Processes in the Elementary School. 3:3:0 per semester.

A course dealing with fundamentals for language growth in the areas of oral and written expression, correct usage, spelling, and handwriting. The development of basic concepts related to effective citizenship in a democracy. A variety of learning experiences and materials will be used and evaluated; especially, students will have experience in preparing an individual resource unit.

El. Ed. 37. Children's Literature. 3:3:0. Second semester.

A study of the literature of childhood, including authors and illustrators. Attention is given to children's reading interests, criteria and aids in selecting materials, a brief survey of the development of children's literature, and the art of storytelling and its place in the curriculum.

El. Ed. 40. Student Teaching. Twelve semester hours credit. First semester.

Each student spends an entire semester in a classroom of an area public school under the supervision of a carefully selected cooperating teacher. Open to seniors only. A cumulative grade point average of 2.0 during the first six semesters in college is required.

Student teaching begins with the opening of the public schools. College residence halls and dining hall are available to the student teachers.

Prerequisites: Education 20; Psychology 23; Elementary Education 23, 34, 36 and 37.

El. Ed. 43. Health and Safety Education. 3:3:0. Second semester.

The course includes a study of basic health and safety practices and procedures as applied to the elementary school, a program of physical education for elementary school children, an American Red Cross approved program of First Aid, and an evaluation of sources and use of materials.

Prerequisites: Education 20; Psychology 23.

El. Ed. 44. Senior Seminar. 3:3:0. Second semester.

The semester gives immediate help with pertinent problems in student teaching. Topics related to over-all success in teaching will be thoroughly dealt with: professional ethics, classroom management, home and school relationships, community responsibilities, professional standards, and other related areas.

SECONDARY EDUCATION

40. Student Teaching. Nine semester hours credit. First semester.

Given only to seniors as a part of the professional semester. Each student spends full time in the classroom for a minimum of 9 weeks.

Six semester hours credit. Second semester.

The program consists of twelve weeks of teaching and observing in secondary schools. Students must have four consecutive hours free each day. These hours may be from 8:00 a.m. to 12:00 noon; 9:00 a.m. to 1:00 p.m., 10:00 a.m. to 2:00 p.m. or 11:00 a.m. to 3:00 p.m. The morning hours are preferred.

This course fulfills the Pennsylvania certification requirement:

The minimum in student teaching is based on not less than 180 clock hours spent in schools under approved supervision including the necessary observation, participation and conferences. At least ninety (90) clock hours of the 180 must be completed in actual teaching experiences. Conferences held with the college supervisor are also part of the program.

Prerequisites: Education 20 and 49; Psychology 23.

Summer Student Teaching Program.

Six hours credit. Six weeks of student teaching in the secondary field in the Derry Township Public Schools, Hershey, Pennsylvania or other cooperating schools.

For information concerning the Summer Student Teaching Program contact the Chairman of the Department of Education.

49. Practicum and Methods.

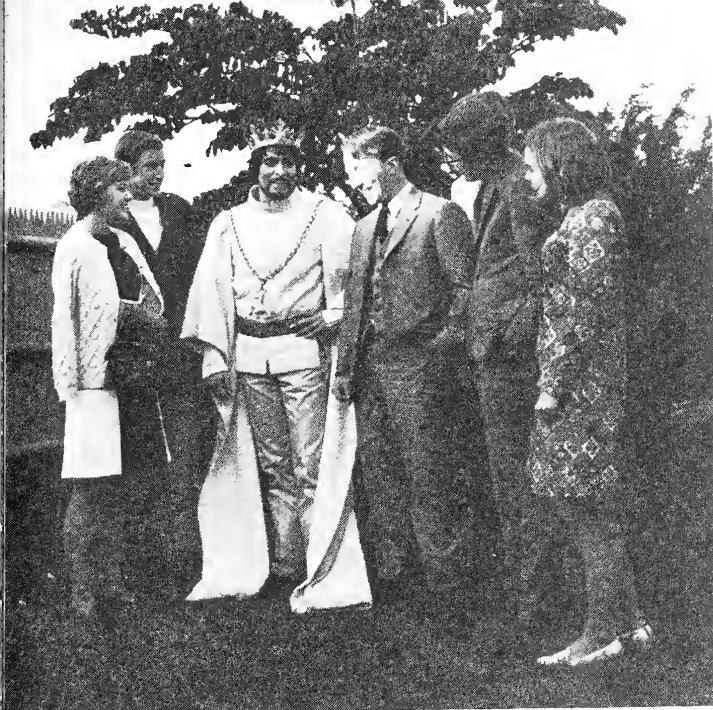
3:7½ :0. First semester. (Professional semester on
3:3:0. Second semester)

A presentation and evaluation of teaching methods used in secondary schools. Experienced teachers will be invited to participate in class discussions and visitations will be made to the classrooms to observe good teaching. One third of class time will be devoted to acquainting students preparing to teach secondary subjects with understanding and techniques for teaching reading in their respective areas. This course will fulfill the certification requirements for basic course in reading instruction on the secondary level, effective October 1, 1964.

Required of all seniors in secondary education.

Prerequisite: Education 20; Psychology 23, or permission of the instructor.





ENGLISH

*Professor Struble; Associate Professor Faber; Assistant Professors Ford and O'Donnell;
Instructors Coleman, Ramsay and Woods*

The purpose of the Department of English is to afford students a vital contact with the literature of our language and to assist them to write and speak effectively.

Major: In addition to the required course in English composition (English 10a-10b) English majors will take English 20, English 21a, 22, 26a-26b, 30a-30b, 31, 32, 35, 49, and twelve hours of electives.

INDEPENDENT STUDY

The Department of English provides three types of recognition of superior ability:

1. Entering students of proved ability in English composition may under certain circumstances be exempted from one or both semesters of English 10, providing they register for Advanced Composition and enough additional hours in literature to meet the general requirements in English for graduation.
2. Students who are majoring in English may become candidates for departmental honors if they have a grade point average of 3.0 in courses in English, and if they receive permission from the chairman of the department and the Dean of the College, ordinarily no later than the end of the first semester of their junior year.

The specific program for departmental honors for each student accepted for the Independent Study Program will be worked out by that student in consultation with the chairman of the department, in accordance with the plan for departmental honors adopted by the faculty on May 8, 1961.

3. A senior who has been accepted for honors and who looks forward to a career in college teaching may, upon recommendation of the chairman of the department and appointment by the Dean of the College, become an intern in English, to render such assistance in the duties of the Department of English as will in some measure help to prepare him for a professional career in this field. Ordinarily only one intern will be appointed in any one academic year.

10a—10b. English Composition.

3:3:0 per semester.

A study, supplemented by practice in writing, of the principles of grammar, logic, rhetoric, and mechanics which enable men to communicate effectively.

11a—11b. Word Study.

1:1:0 per semester

This course has a twofold purpose: (1) to give the student some insight into linguistic processes, particularly as pertains to the growth of the English vocabulary; and (2) to increase the range of the student's vocabulary, in order that he may have greater mastery over his own native tongue. Problems of pronunciation and spelling go hand in hand with vocabulary building.

20a—20b. Comparative Literature.

3:3:0 per semester

This course has five principal aims: (1) to familiarize students with some of those masterpieces of Western World literature which are a part of the common heritage of every cultivated mind; (2) to acquaint students with the conventions, techniques, and presuppositions of various types of literature, so that they may be able to deal intelligently with these types when they meet them elsewhere; (3) to give students some training in the techniques of the comparative study of literature, and some appreciation of the possibilities of this approach to literature; (4) to provide students with genuinely aesthetic experiences, in the hope that reading and the appreciation of literature will continue to enrich their spirits throughout their lives; and (5) to pass on to them some sense of the underlying values of our cultural system.

21a—21b. American Literature.

3:3:0 per semester

First semester: a survey of American literature from the beginnings to the Civil War.

Second semester: a survey of American literature from the Civil War to the present day.

22. Public Speaking.

3:3:0. Either semester

Basic principles of public speaking with practical training in diction and platform delivery.

23. Advanced Composition.

3:3:0. Second semester

Principles and techniques of the short story, drama, and novel for students interested in creative writing. Extensive practice in the field of student's special interest.

24. Contemporary Literature.

3:3:0. First semester

A study of currents and cross-currents in the literature produced in England and America since World War I.

26a—26b. Survey of English Literature.

3:3:0 per semester

The whole course of English literature, from the beginnings to our own time, viewed from a perspective against the background of English life and thought, foreign influences, and the developing national consciousness.

Prerequisite: English 10.

30a—30b. Shakespeare.

3:3:0 per semester

A survey of English drama from its beginnings to the time of Shakespeare; a study of Shakespeare's history plays and their place in the Elizabethan world, and an analysis of his comedy.

A study of Shakespeare's tragedies and comedies (problem and romantic).

Prerequisite: English 20 or 26 or consent of the instructor.

31. History of the English Language.

3:3:0. First semester

Historical study of English sounds, grammatical forms, and vocabulary; introduction to structural linguistics; standards of correctness and current usage. This course is primarily intended for those who plan to teach English and is in part a course in methods of teaching English.

Prerequisite: English 20 or 26 or consent of the instructor.

32. Chaucer.

3:3:0. Second semester

Intended to give the student a reasonable familiarity with Chaucer; to provide a detailed picture of mediaeval life, culture, and thought; and to develop skill in the reading of early English.

Prerequisite: English 31.

- 33. Literature of the Victorian Period.** 3:3:0. First semester.
A survey of the major English poets and prose writers from 1830 to 1900.
Prerequisite: English 20 or 26 or consent of the instructor.
- 35. Poetry of the Romantic Movement.** 3:3:0. Second semester.
A study of the principal poets of the early nineteenth century: Wordsworth, Coleridge, Byron, Shelley, and Keats.
Prerequisite: English 20 or 26 or consent of the instructor.
- 37. Contemporary Drama.** 3:3:0. Second semester.
A survey of Continental, British, and American drama since 1890.
Prerequisite: English 10.
- 38. The Novel.** 3:3:0. First semester. Offered 1971-1972.
A study of the development of the novel in England (Richardson to Joyce).
- 40. Eighteenth Century Literature.** 3:3:0. First semester. Offered 1970-1971.
A survey of the principal English authors from Dryden to Blake.
- 49. Seminar in English.** 3:3:0. Second semester.
Intensive review of the student's earlier work in English; systematic coverage of the gaps in the student's knowledge; synthesis of the whole.
The final examination in this course will constitute a comprehensive examination for the department.
Required of all English majors in their senior year.





FOREIGN LANGUAGES

Professor Piel; Associate Professors Damus, Titcomb and Troutman; Assistant Professors Cantrell and Cooper; Instructors Hansen and Saylor

The immediate aim of this department is to assist the student to acquire a working knowledge of the language or languages which he chooses to study.

The aim of the courses in modern foreign languages is to enable the student to use the foreign tongue as a means of communication: to hear, speak, and eventually read and write the language. Through his study of the language and literature, the student gains a deeper understanding and appreciation of the life and thought of the people of the country.

Laboratory practice is required of all students in modern foreign languages except those in German 11.

Major: A student may elect either a major in one language or a departmental major. The departmental major consists of at least twenty-four hours in one language and at least twelve hours in a second language.

In French, German and Spanish, one advanced literature course is offered each year, in a regular rotation of courses.

INDEPENDENT STUDY

Students who are majoring in a foreign language may become candidates for departmental honors if they have a grade point average of 3.0 in departmental courses, and if they receive permission from the departmental staff and the Dean of the College, ordinarily no later than the end of the first semester of their junior year.

Honors work will involve the selection of a topic for investigation under the guidance of the departmental adviser, independent reading and study, frequent conferences with the adviser, preparation of a paper on the topic to be submitted by April 1 of the senior year, satisfactory defense of the paper before a committee composed of the departmental staff, the Dean of the College, and any other faculty members who may be invited to participate, and finally, an oral examination in the major language. If these requirements are satisfied, the student will be graduated with Honors in his major language.

FRENCH

Major: Twenty-four hours above the elementary level.

- 1. Elementary French.** 3:3:0 per semester.
A beginning course in French; audio-active technique.
- 10. Intermediate French.** 3:3:0 per semester.
A continuation of French 1 with further practice in conversation, dictation, and in reading and writing. Attention is given to the cultural and historical background of the literature that is read.
Prerequisite: French 1 or two years of secondary school French.
- *15. Introduction to French Literature.** A general language review with intensive practice in the four basic language skills through a study of selected literary works in their cultural and historic contexts.
Prerequisite: Four years of secondary school language or three years for specially qualified students.
- 20. French Literature of the Sixteenth and Seventeenth Centuries.** 3:3:0 per semester.
A survey of the literary history of the Renaissance and of the Classic periods in France.
- 30. French Literature of the Eighteenth and Nineteenth Centuries.** 3:3:0 per semester.
A study of the outstanding works of the Age of Enlightenment and of the Romantic, Realist, and Naturalist Schools of French literature.
- 40. French Literature of the Twentieth Century.** 3:3:0 per semester.
A study of modern French literature with extensive reading of the works of the outstanding authors.
- 45. Seminar.** 1-3 hours credit per semester.
This seminar is designed to supplement and integrate the student's knowledge, to stimulate individual study and research, and to prepare him for future work in his field. The course content varies according to the needs of the group involved. For those students who are planning to teach, the seminar will provide instruction in teaching methods.

GERMAN

Major: Twenty-four hours above the elementary level.

- 1. Elementary German.** 3:3:0 per semester.
A beginning course in German; audio-active technique.
- 10. Intermediate German.** 3:3:0 per semester.
A continuation of German 1 with practice in conversation, dictation, reading and writing. Emphasis is given to the cultural and historical background of the literature that is read.
Prerequisite: German 1 or two years of secondary school German.
- 11. Scientific German.** 3:3:0 per semester.
Practice in reading scientific and technical German with emphasis on vocabulary and the special difficulties inherent in this type of writing. General readings followed by readings in the student's major field.
- *15. Introduction to German Literature.** A general language review with intensive practice in the four basic language skills through a study of selected literary works in their cultural and historic contexts.
Prerequisite: Four years of secondary school language or three years for specially qualified students.

Note: Successful completion of the first semester will satisfy the language requirement for graduation and successful completion of the second semester will provide three credits toward distribution requirements in humanities.

- 22. The Classical Period.** 3:3:0 per semester
Background of the Classical Period; detailed study of the period; readings from the works of Lessing, Goethe and Schiller.
- 32. German Literature of the Nineteenth Century.** 3:3:0 per semester
Romanticism; Realism.
- 42. German Literature of the Twentieth Century.** 3:3:0 per semester
A study of contemporary German literature with extensive reading of the works of outstanding authors.
- 45. Seminar.** 1-3 credits per semester
This seminar is designed to supplement and integrate the student's knowledge, to stimulate individual study and research, and to prepare him for future work in his field. The course content varies according to the needs of the group involved. For those students who are planning to teach, the seminar will provide instruction in teaching methods.

GREEK

- 1. Elementary Greek.** 3:3:0 per semester. Offered 1971-1972
An intensive course in the basic elements of ancient Greek. A study of forms and syntax with easy prose composition.
- 10a—10b. Intermediate Greek.** 3:3:0 per semester. Offered 1970-1971
First semester: readings from the New Testament Gospels.
Second semester: readings from Xenophon's *Anabasis*. A review of grammar throughout the year.
Prerequisite: Greek 1.
- 20. Readings from the Book of Acts.** 3:3:0. First semester. Offered 1971-1972
Prerequisite: Greek 10a—10b.
- 21. Readings in Hellenistic Greek.** 3:3:0. Second semester. Offered 1972-1973
Selections from the Septuagint, the Greek church fathers.
Prerequisite: Greek 10a—10b.
- 30. Readings from the Epistles of Paul.** 3:3:0. First semester. Offered 1972-1973
Prerequisite: Greek 10a—10b.
- 31. Readings from the Greek Philosophers.** 3:3:0. Second semester. Offered 1972-1973
Prerequisite: Greek 10a—10b.

RUSSIAN

- 1. Elementary Russian.** 3:3:0 per semester
An elementary course with oral-aural approach.
- 10. Intermediate Russian.** 3:3:0 per semester
An intermediate course in Russian with continued conversational practice; reading and writing.
Prerequisite: Russian 1 or two years of secondary school Russian.

SPANISH

Major: Twenty-four hours above the elementary level.

- 1. Elementary Spanish.** 3:3:0 per semester
A beginning course in Spanish; audio-active technique.

- 10. Intermediate Spanish.** 3:3:0 per semester.
 A continuation of Spanish 1 with further practice in conversation, dictation, and in reading and writing. Attention is given to Spanish literature in its cultural and historical context.
 Prerequisite: Spanish 1 or two years of secondary school Spanish.
- *15. Introduction to Spanish Literature.** 3:3:0 per semester.
 A general language review with intensive practice in the four basic language skills through a study of selected literary works in their cultural and historic contexts.
 Prerequisite: Four years of secondary school language or three years for specially qualified students.
- 22. Spanish Literature of the Sixteenth and Seventeenth Centuries.** 3:3:0 per semester.
 Reading of outstanding authors of the sixteenth and seventeenth centuries, with emphasis upon Cervantes, Lope de Vega, and Calderon. Composition and conversation.
- 32. Spanish Literature from the Eighteenth to the Twentieth Centuries.** 3:3:0 per semester.
 Extensive reading, composition and conversation.
- 42. A Survey of Spanish and Latin American Literature.** 3:3:0 per semester.
 First semester: a survey of Spanish literature from the Middle Ages to the present. Intensive reading, composition, and conversation.
 Second semester: a survey of Latin American literature from the sixteenth century to the present. Intensive reading, composition, and conversation.
- 45. Seminar.** 1-3 hours credits per semester.
 This seminar is designed to supplement and integrate the student's knowledge, to stimulate individual study and research, and to prepare him for future work in his field. The course content varies according to the needs of the group involved. For those students who are planning to teach, the seminar will provide instruction in teaching methods.

GEOGRAPHY

Mr. Kerr

- 10a—10b. World Geography.** 3:3:0 per semester.
 A basic course in geography to develop a knowledge and an appreciation of the worldwide physical factors in man's environment and of his adjustment to them. The course includes a study of the motions of the earth, land forms, bodies of water, soil, climate, vegetation, with special emphasis on man's political, economic, and social responses to them. Knowledge of the location of both the physical and cultural aspects of man's habitat is related to contemporary events.

GEOLOGY

Professor Light

- 20a—20b. Structural and Historical Geology.** 2:2:0 per semester.
 The first semester, structural geology, acquaints the student with the forces and dynamic agencies by which the earth has been formed and has evolved into its present condition.
 The second semester, historical geology, deals with the probable location of land and sea areas of each of the various geologic periods, and the development of the plants and animals which lived during periods as identified by their fossil remains.

GERMAN

See Foreign Languages, page 79.

GREEK

See Foreign Languages, page 80.

Note: Successful completion of the first semester will satisfy the language requirement for graduation and successful completion of the second semester will provide three credits toward distribution requirements in humanities.



HEALTH AND PHYSICAL EDUCATION

Assistant Professors McHenry and Petrofes; Instructors Gaeckler, Garman, and Rogerson

The aims of this department are (1) to encourage attitudes and habits of good total health; (2) to develop the student's physical capacities; (3) to provide activities which will enrich his leisure throughout life.

In addition to the family physician's report, it is strongly recommended that all entering students also undergo a thorough visual examination.

Students are required to wear the regulation gymnasium outfit, which may be purchased at the college bookstore.

Physical Education (Men) (Women)

0:2:0 per semester

(Men) The physical education activities include: touch football, basketball, softball, volleyball, archery, badminton, golf, handball, squash, wrestling, tennis, speedball, swimming, soccer, lacrosse, paddle ball, gymnastics, circuit training, weight training, and care and prevention of injuries.

(Women) The physical education activities include: soccer, softball, swimming, golf, archery, volleyball, badminton, table tennis, tennis, gymnastic, calesthenics, field hockey, squash, basketball, and modern dance.

Corrective and Adaptive Physical Education (Men)(Women)

0:2:0 per semester

Special activities, as prescribed by a physician, for students with physical handicaps or deficiencies.

Not open to students qualified for Physical Education.



HISTORY AND POLITICAL SCIENCE

Professor Geffen; Associate Professor Fehr; Assistant Professor Joyce; Instructor Kilgore

The aim in the teaching of history is to acquaint the student with human behavior in the dimension of past time, in the belief that by thus extending the range of his knowledge he may also enlarge the scope of his sympathies and become more richly human.

The aim in the teaching of political science is to acquaint the student with the many-sided aspects of government, in the belief that by thus enlarging the extent of his knowledge he may expand the scope of his understanding and adopt a critical and objective attitude toward the problems of modern society.

The department also prepares students for graduate and law schools and for careers in teaching, government, and business.

HISTORY

Major: History 10a-10b, 13, 43; two courses from among History 11, 12, 21, 22, 31, 32; History 24a and 40a-40b or History 24b and 30a-30b; one course from among History 41, 46, 47, 48. History 30a-30b and 40a-40b may be taken in place of the combinations of these courses with History 24.

INDEPENDENT STUDY

Students majoring in history may participate in the Independent Study program when they fulfill the following requirements: (1) demonstrate in their academic work the caliber of scholarship required to undertake an extensive research project; (2) achieve a 3.3 grade point average in departmental courses and a 2.5 grade point average in all college courses; and (3) apply for and receive permission for such participation from the departmental staff and the Dean of the College no later than the end of the first semester of the junior year.

During his participation in the program, the student must (1) submit to the departmental chairman periodic progress reports; (2) show progress at a rate and at a level indicating that he will complete the program on time and at the desired level of achievement; and (3) maintain a 3.3 grade point average in departmental courses and a 2.5 grade point average in all college courses.

The participant must (1) obtain departmental approval of a research topic; prepare an essay on the subject selected for research under the guidance of member of the departmental staff; (3) complete the writing of the essay by April of the senior year; (4) defend the essay in a manner to be determined by the departmental staff and the Dean of the College; (5) pursue a program of independent reading approved by the departmental staff; (6) demonstrate, by means of a written and/or oral examination, knowledge and understanding of the material studied in the independent reading program; and (7) present to the departmental chairman an assessment of his experience in the program. Upon fulfilling these requirements, the student will be recommended by the departmental staff to the Dean of the College for graduation with departmental honors.

10a-10b. History of Western Civilization.

3:3:0 per semester

The first semester covers the development of Western European culture in all of its aspects from its Near East origins to about 1715. The second semester covers its evolution during the eighteenth, nineteenth, twentieth centuries.

11. Greek and Roman History.

3:3:0. First semester. Offered 1971-1972

An examination of the origins, structure, and values of Greek and Roman societies from about 1200 B.C. to about 500 A.D. The Mediterranean nature of these cultures and the historians' treatment of them are emphasized.

Prerequisite: History 10a.

12. The Middle Ages.

3:3:0. Second semester. Offered 1971-1972

A study of the emergence of a European society from 500 to 1300. Emphasis is on the social and intellectual aspects of medieval life, and the historiographical record is analyzed.

Prerequisite: History 10a.

13. Introduction to Historiography.

3:3:0. First semester

Theory and practice in the writing of history. The work of selected historians is studied and each student conducts and reports upon his own research. Training is given in research methods and in the preparation of research reports.

21. The Renaissance and Reformation: 1300 to 1600.

3:3:0. First semester. Offered 1970-1971

A study of the beginnings of the modern era, paying particular attention to the internal relationships between its political, social, economic, and intellectual aspects.

Prerequisite: History 10a.

22. The Old Regime: 17th and 18th Centuries.

3:3:0. Second semester. Offered 1970-1971

An investigation of the impact of modern science and thought upon the development of Western European culture. Particular attention is paid to the nature of European society before the era of revolutions.

Prerequisite: History 10b.

24a-24b. Survey of United States History.

3:3:0 per semester

The first semester covers the development of the United States to 1865, the second semester from 1865 to the present. Special emphasis throughout the course is placed upon historiographical philosophy and method.

30a-30b. American Colonial and National History to 1865.

3:3:0 per semester. Offered 1970-1971

The first semester deals with American history from its European origins to 1800, the second semester from 1800 to 1865. Historiographical issues, methods, and problems are stressed.

- 31. The Era of Revolutions: 1789 to 1870.** 3:3:0. First semester. Offered 1971-1972.
A study of the political and economic changes in Europe from 1789 to 1870 and the total cultural impact of these changes.
Prerequisite: History 10b.
- 32. Contemporary Europe: 1870 to the Present.** 3:3:0. Second semester. Offered 1971-1972.
An analysis of the nineteenth century state system, its economic and social bases, its ideology, and its evolution through world wars and technological revolutions.
Prerequisite: History 10b.
- 40a-40b. The United States, 1865 to the Present.** 3:3:0 per semester. Offered 1971-1972.
The first semester deals with the post-Civil War developments of American history from 1865 to 1900, the second semester from 1900 to the present. Historiography is emphasized.
- 41. Introduction to the History of African Culture.** 3:3:0. First semester. Offered 1970-1971.
A survey of African culture from the tenth-century Sudanic origins to the present day. Emphasis is on the nineteenth and twentieth centuries.
- 43. Senior Seminar in History.** 3:3:0. Second semester.
A review of the student's college program in history, with reading, discussion, and writing to serve the following purposes: (1) synthesis of previous course work in history; (2) relation of the academic discipline of history to other fields of knowledge; and (3) formulation and expression of a personal philosophy of history by each student.
Open only to senior departmental majors.
- 46. History of Russia.** 3:3:0. First Semester. Offered 1971-1972.
A survey of Russian history from ancient times to the present, with special attention to developments since the seventeenth century.
Prerequisite: History 10b.
- 47. History of the Far East.** 3:3:0. Second semester. Offered 1971-1972.
A survey of the development of the cultural institutions of the Far East, with emphasis upon the trends since 1500.
- 48. History of Latin America.** 3:3:0. Second semester. Offered 1970-1971.
A survey of the Latin American republics from their colonial beginnings to the present time.
- 49. Select Problems in History.** 3:3:0. First semester. 3:3:0 per semester for Independent Study participants, with a maximum of nine hours credit.
A course to provide the student with an opportunity to explore in depth a topic of special interest. Required of majors enrolled in the Independent Study program in history. Open to other history majors by permission of the instructor and the departmental chairman.

POLITICAL SCIENCE

Major: Political Science 10a-10b, 20, 21, 30, 31, 40, 41, 43, and three additional hours in Political Science as approved by the departmental chairman. Majors are also required to take History 24a and 40a-40b or History 24b and 30a-30b. History 30a-30b and 40a-40b may be taken in place of the combinations of these courses with History 24.

INDEPENDENT STUDY

Students majoring in political science may participate in the Independent Study program when they fulfill the following requirements: (1) demonstrate in their academic work the caliber of scholarship required to undertake an extensive research project; (2) achieve a 3.0 grade point average in departmental courses and a 2.5 grade point average in all college courses; and (3) apply for and receive permission for such participation from the departmental staff and the Dean of the College no later than the end of the sophomore year.

During his participation in the program, the student must (1) submit to the departmental chairman periodic progress reports; (2) show progress at a rate and at a level indicating that he will complete the program on time and at the desired level of achievement, and (3) maintain a 3.0 grade point average in departmental courses and a 2.5 grade point average in all college courses.

The participant must (1) use the junior year for preliminary work involving selected readings and gathering of source material for a research topic; (2) obtain departmental approval of a research topic; (3) prepare an essay on the subject selected for research under the guidance of a member of the departmental staff; (4) complete the writing of the essay by April 1 of the senior year; (5) defend the essay in a manner to be determined by the departmental staff and the Dean of the College; (6) pursue a program of independent reading approved by the departmental staff; (7) demonstrate by means of a written and/or oral examination, knowledge and understanding of the material studied in the independent reading program; and (8) present to the departmental chairman an assessment of his experience in the program. Upon fulfilling these requirements, the student will be recommended by the departmental staff to the Dean of the College for graduation with departmental honors.

10a-10b. American National Government.

3:3:0 per semester

The first semester concentrates on backgrounds, theories, principles, processes, and practices of American national government. Subject areas include: the nature of democracy, Constitutional backgrounds, federalism and its problems, civil rights, public opinion formation, voting behavior, political parties, campaigns and elections. Special attention is given to contemporary racial and student unrest in the United States.

The second semester stresses institutional surveys and the actual work of government. The structure, functions, and processes of the main organs of national government — the Presidency, the Congress, the judiciary, and the bureaucracy — are examined. Subject areas covered include the role of government in regulating, promoting, managing, national defense, foreign policies and internal development.

20. Comparative Government.

3:3:0. First semester. Offered 1971-1972.

A comparative study of important governmental systems of the world, both democratic and authoritarian. Comparison and contrasts are made between unitary and federal forms. Special study is made of the governmental system in force in the Soviet Union.

Political Science 10a—10b is a prerequisite, or a corequisite.

21. Foreign Relations.

3:3:0. Second semester. Offered 1971-1972.

A survey of the external relations of American government, with emphasis on twentieth century developments. Subject areas include diplomacy, military affairs, geographic and regional problems, trade and aid, technology and underdevelopment, alliances, nuclear problems, and opposing ideologies. Consideration is given to recruitment, training, and problems of the United States foreign service and to the multiple influences shaping American foreign policies.

Political Science 10a—10b is a prerequisite, or a corequisite.

- 22. State and County Government.** 3:3:0. First semester. Offered 1970-1971.
This course deals with the structure and functions of state and county government. Emphasis is placed on federal-state-local relationships, on administrative organization and services, on the courts, and on legislative representation.
Political Science 10a—10b is a prerequisite, or a corequisite.
- 23. City Government.** 3:3:0. First semester. Offered 1971-1972.
This course deals with the rise of urbanization and the accompanying growth of municipal functions. Attention is paid to metropolitan areas, to the legal process and status of cities, to municipal relations with state and national government, to urban politics, and to the various forms of city government.
Political Science 10a—10b is a prerequisite, or a corequisite.
- 30. Political Parties in the United States.** 3:3:0. First semester. Offered 1970-1971.
A study of the origins and history of American political parties, their development, organization, leaders, conventions, platforms, and campaigns. Emphasis is given to recent changes in American political patterns.
- 31. American Constitutional Government.** 3:3:0. Second semester. Offered 1970-1971.
A study of the growth and development of the Constitution through the medium of judicial construction. Recent decisions illustrating its application to new conditions of the present age, and proposals for court modification are given particular attention.
Political Science 10a—10b is a prerequisite, or a corequisite.
- 33. Public Opinion.** 3:3:0. Second semester. Offered 1970-1971.
An analysis of the nature and sources of contemporary public opinion, with special attention to types of censorship and to modern propaganda devices.
- 40. Political Theory.** 3:3:0. Second semester. Offered 1971-1972.
A survey of the different philosophies and theories of government, ancient and modern, with special reference to political philosophy since the sixteenth century.
- 41. International Politics.** 3:3:0. First semester. Offered 1971-1972.
A course in the origin, forms, dynamics and prospects of the international political pattern, with emphasis on current developments and changing concepts in world politics.
Political Science 10a—10b is a prerequisite, or a corequisite.
- 43. Senior Seminar in Political Science.** 3:3:0. Second semester.
An intensive review of the student's college program in political science, with reading, discussion, and written assignments to accomplish the following purposes: (1) integration of earlier course work in political science; (2) relation of the discipline to other fields of knowledge; and (3) development and expression of an individual political philosophy by the student.
Prerequisites: A major in political science and senior standing; or permission of the staff.

LANGUAGES

See Foreign Languages, page 78.

INTERDISCIPLINARY COURSE

- 32. Seminar in Psychology and Literature.** 3 hours credit. Second semester.
A consideration of major psychological theories for use in literary interpretation.
Prerequisites: A major in psychology or English, junior or senior standing and/or permission of the staff.



MATHEMATICS

Professor Bissinger; Assistant Professors Burras, Lewin and Stare

The aims of the Department of Mathematics are: (1) to make available mathematical theory and technique needed by students in applied sciences and industry; (2) to prepare students interested in mathematics for graduate schools as well as for secondary school teaching; (3) to provide the cultural advantages of a knowledge of mathematics.

Major: Math 11, 21, 25, 31 plus at least three semester hours from each of the following divisions:

- I Analysis—Math 40; Math 46.
- II Algebra and Topology—Math 48; Math 49.
- III Statistics—Math 12*; Math 37; Math 41.

INDEPENDENT STUDY

Students may participate in the departmental Independent Study Program if they have demonstrated high scholastic ability and have received permission for such participation from the Departmental Chairman and the Dean of the College no later than the end of the first semester of the junior year.

A student may receive upon graduation departmental honors if he has maintained a 3.0 grade point average in mathematics and has satisfactorily completed the Independent Study Program.

PLAN OF STUDY IN STATISTICS

Mathematics 37, 41 form the basis for a concentration in statistics. A statistical and computing laboratory equipped with Brunsviga desk calculating machines is available to students doing computational work in connection with this program of study. Additional training with IBM electrical punched card equipment can be arranged with local industry and nearby military installations.

* The requirement in Statistics can be satisfied with Math 12 only if an additional three semester hours are taken from one of the other two divisions.

PLAN OF STUDY IN MATHEMATICAL PHYSICS

Students interested in mathematical physics may elect to major in either the Department of Physics or the Department of Mathematics and follow a plan of study in mathematical physics worked out by a suitable adviser to whom they will be referred. Ordinarily the program will include Mathematics 31, 37, 40, and 46.

PLAN OF STUDY IN ACTUARIAL SCIENCE

The program as outlined on pages 30-31 is endorsed by the Philadelphia Section of the Society of Actuaries who sponsor it on this campus. The actuarial examinations, parts 1, 2 and 3, are also given on this campus which is a testing center. Interested students should consult with the Departmental Chairman.

PLAN OF STUDY IN ENGINEERING

The cooperative pre-engineering program is described on page 38. Ordinarily the program will include Mathematics 11, 12, 21, 40, and 46.

COURSES

1. Introductory Analysis. 3:3:0. First semester.

This is a pre-calculus course which includes topics from college algebra and analytical trigonometry. This course is recommended for students who lack the necessary background for calculus.

10. Basic Concepts of Mathematics. 3:3:0. Either semester.

The foundational aspects of mathematics at work in the world today are stressed for cultural as well as some technical competence. This course is addressed to the non-science student and presents the scientific and humanistic importance of the subject in an historical approach.

11. Elementary Analysis I & II. 3:3:0 per semester.

The fundamental ideas of analytic geometry and calculus are introduced with applications. A thorough background in trigonometry and algebra is necessary. Thomas, *Calculus and Analytic Geometry*.

12. Elementary Statistics. 3:2:2. Either semester.

Included in this course are descriptive statistics, an introduction to probability concepts, simple problems of statistical inference, and elementary treatment of analysis of pairs of measurements. Mendenhall, *Introduction to Probability and Statistics*.

21. Intermediate Analysis I & II. 3:3:0 per semester.

This is a continuation of Mathematics 11 with an introduction to partial differentiation, multiple integration, infinite series, differential equations, and linear algebra. Thomas, *Calculus and Analytic Geometry*.

Prerequisite: Mathematics 11.

24. Linear Algebra. 3:3:0. Second semester.

Study is made of linear equations, linear dependence, vector spaces, operators, transformations and matrices. Paige and Swift, *Elements of Linear Algebra*.

25. Development of the Real Number System. 3:3:0. First semester.

An introduction to logic, set theory, and a rigorous development of the number system. Webber, *Number Systems of Analysis*.

- 31. Advanced Analysis I & II.** 3:3:0 per semester
Rigorous existence proofs of functional concepts of continuity, differentiation, integration and series are given. Use is made of transformation theory by Jacobians. Buck, *Advanced Calculus*.
Prerequisite: Mathematics 21 and 25.
- 33. Geometry.** 3:3:0 per semester. Offered 1971-1972
Foundations of geometry, historical background, and an introduction to non-Euclidean geometry. This course is designed primarily for teachers.
- 37. Mathematical Statistics.** 3:3:0 per semester
Calculus is used to develop basic statistical tools and notions. Generating functions, frequency distributions of one, two, or more variables, and various tests are considered. Wadsworth and Bryan, *Introduction to Probability and Random Variables*.
- 40. Methods of Applied Mathematics.** 3:3:0 per semester. Offered 1971-1972
Use is made of matrices and determinants, the concept of linear vector spaces and characteristic values. Formulation and solution of certain partial differential equations are accompanied by a treatment of integral equations, difference equations, and Green's function.
- 40.1 Mathematics Seminar.** 1:1:0. Either semester
Logic, computer language, finite differences are among those topics which could be selected as a basis for a one-semester seminar. Special problems given on a recent competitive examination are presented and discussed in a seminar for upper classmen.
- 40.1 (T). Mathematics Seminar.** 1:1:0. Second semester
A senior seminar designed for mathematics teachers is required of those students who wish to become certified to teach mathematics.
- 41. Probability.** 3:3:0. Second semester. Offered 1970-1971
This course constitutes a rigorous examination of the notions of sample space, random variables, distributions in time and space, and certain unifying limit theorems. Time permitting it may include Markoff chain theory and related topics. Feller, *Introduction to Probability Theory with Applications*, Vol. 1.
Prerequisite: Mathematics 37.
- 46. Functions of a Complex Variable.** 3:3:0. Second semester. Offered 1970-1971
An introductory course that includes analytic functions, Cauchy's integral theorem, residue theory, contour integrals, and conformal mapping. Churchill, *Complex Variables and Applications*.
Prerequisite: Mathematics 21.
- 48. Algebra.** 3:3:0 per semester. Offered 1970-1971
Topics such as group theory, rings, ideals, field extensions, and Galois theory will be studied. Herstein, *Topics in Algebra*.
Prerequisite: Mathematics 25.
- 49. Topology.** 3:3:0. Second semester. Offered 1971-1972
The elements of point-set theory are introduced with topological considerations to appropriate generalization. Moore, *Elementary General Topology*.
Prerequisites: Mathematics 25 and 31.
- Independent Study in Mathematics.** 3:3:0 per semester. (Maximum of 3 semesters)
After receiving permission for participation, the student will prepare a paper on a selected subject for research which is approved by the department. This paper should be completed by the end of the first semester of the senior year, and must be defended in a manner determined by the departmental staff.



MUSIC

Associate Professor Smith, Chairman; Professor Bender; Associate Professors Fair-lamb, Getz, Lanese, Stachow and Thurmond; Assistant Professors Curfman and Jamanis; Instructors Aulenbach, Burrichter, Campbell, Catchings, Lau, Morgan and Veri

The aims of the Department of Music are to train artists and teachers; to teach music historically and aesthetically as an element of liberal culture; and to offer courses that give a thorough and practical understanding of theoretical subjects.

Attendance at all faculty recitals and a portion of student recitals is compulsory.

All majors in Music or Music Education are required to take private instruction on the campus if the Department offers instruction in the individual's principal performance medium.

Participation in music organizations may be required of all majors.

For cost of private lessons see page 23.

MUSIC

(B.A. with a major in Music)

This program is designed for those students desiring a liberal arts context in their preparation for a career in applied music.

SPECIAL REQUIREMENTS

All majors are required to take an hour lesson per week in the major performance area and are expected to perform a half or full recital in the junior year and a full recital in the senior year.

All majors outside of the keyboard area are required to take a 1/2 hour lesson per week in piano until the minimum requirements have been met.

For the recommended plan of study in this program see pages 40-41.

MUSIC EDUCATION

(B.S. with a major in Music Education)

This program has been approved by the Pennsylvania Department of Education and the National Association of Schools of Music for the preparation of teachers of public school music.

The Music Education curriculum requires two private one-half hour lessons per week (one each in the major and a minor performance area), one of which is included in the tuition charge. A charge is made for the second private lesson.

For the recommended plan of study in this program see pages 42-43.

INDEPENDENT STUDY

1. A candidate must have achieved a minimum grade point average of 3.00 at the end of the sophomore year, and must maintain this minimum to remain eligible for Honors status.
2. The private instructor in the candidate's major performance area must recommend the student for full recital privileges during the senior year, and will serve as adviser to the individual's Independent Study program.
3. The candidate through reading and research will produce a thesis or an essay based on a problem or subject of his own choosing under the direct supervision of his faculty adviser. Creative work will be encouraged with reference to, or emphasis upon, his principal performance medium.
4. Honors recognition shall be dependent upon the quality of the prepared thesis or essay and the level of the candidate's recital performance, both to be reviewed by a committee of three, including the private instructor (adviser), the chairman of the department, and a third music faculty member to be designated by the chairman with the approval of the adviser.
5. In addition to any established pattern of announcing honors candidates and recipients, the printed recital program shall also indicate "in partial fulfillment of requirements for Honors in Music."
6. A maximum of 8 hours credit can be earned in Independent Study.
7. Upon the completion of the above requirements at a satisfactory level, the student will be recommended by the reviewing committee to the Dean of the College for graduation with departmental honors.

I: THEORY OF MUSIC

Sight Singing

Music 10. Sight Singing I.

1:2:0. First semester.

A beginning course in music reading with the use of syllables, incorporating the elements of melody and rhythm within the beat and its division. The following are studied: basic beat patterns, simple and compound time, diatonic intervals, implied harmonic structure within the melodic line, the C clefs, modulation.

Music 11. Sight Singing II.

1:2:0. Second semester.

A continuation of music reading, employing more difficult melodies and rhythms, the beat and its subdivision, and additional interval problems. Phrasing and the application of dynamics are stressed.

Music 20. Sight Singing III.

1:2:0. First semester.

Exercises in four clefs, employing vocal literature of increasing difficulty, both tonal and rhythmic. Modal melodies, remote modulation, superimposed background and meter, changing and less common time signatures are stressed.

Dictation (Ear Training)

Music 12. Ear Training I.

1:2:0. First semester.

Includes the study of the basics of music notation essential for the writing of melodic and rhythmic dictation. Aural analysis and tonal memory are developed. Essentials of tonality are

covered, and harmonic dictation is begun in the latter half of the course. Correlated with Sight Singing and Harmony.

Music 13. Ear Training II.

1:2:0. Second semester.

Increasing complexity and length of melodic and rhythmic dictation with emphasis upon the development of harmonic dictation. Inversions of triads, seventh and ninth chords are included.

Music 22. Ear Training III.

1:2:0. First semester.

A study of more difficult tonal problems including modulation, chromaticism, and altered chords.

Harmony

Music 14. Harmony I.

2:3:0. First semester.

A study of the rudiments of music including notation, scales, intervals, and triads; the connection of triads by harmonizing melodies and basses with fundamental triads; playing of simple cadences at the piano; analysis of phrases and periods.

Music 15. Harmony II.

2:3:0. Second semester.

A study of inversions of triads, seventh and ninth chords, harmonizations of melodies and figured basses; analysis and composition of the smaller forms; modulation.

Music 24. Harmony III.

2:2:0. First semester.

The use of dominant and diminished sevenths as embellishments of and substitutes for diatonic harmony; harmonization of melodies and figured basses; analysis of two and three-part song forms; composition in two-part song form. Playing of more advanced cadences and modulations at the piano.

Music 29. Harmony IV (Elementary Composition)* on special announcement. 2:2:0. First semester.

Melody analysis and writing; four part choral writing; continuation of two and three-part song-form analysis and composition. Composition in Theme and Variations, Fantasia, Rondo and Dance forms. Study of contemporary harmonic ideas.

Music 39. Keyboard Harmony.

2:2:0. Second semester.

Work at the piano includes the harmonization of melodies both with four-part harmony and with various accompaniment forms; also transposition, improvisation, modulation, reading from figured bass.

Additional Theory Courses

Music 21. Orchestration and Scoring for the Band.

2:2:0. Second semester.

Study of instrumentation, devices, techniques, and mechanics of scoring transcriptions, arrangements and solos for orchestra and concert band; special work in scoring for marching band. Laboratory analysis and demonstration of various instrumental colors and combinations. Emphasis is placed on creative scoring.

Music 31. Form and Analysis I.

2:2:0. First semester.

A study of the structure of music including hymns, folk songs, two, three and five-part song forms, variations, contrapuntal forms, rondo and sonata forms. Compositions in these forms are studied primarily for their structural content. Course includes extensive listening.

Music 36. Form and Analysis II* on special announcement.

2:2:0. Second semester.

A study through analysis and listening of fugal forms, suite, overture, complete sonata forms (evolution of the symphony), string quartet, the tone poem. Analysis of classical and contemporary works in these forms.

* B.A. Program in Music.

Music 40.1. Counterpoint.	2:2:0. Second semest
Introductory work in strict counterpoint through three and four-part work in all the speci	
Music 40.2. Arranging and Scoring for the Modern Orchestra.	2:2:0. Either semest
Study of modern harmony, modulation, style analysis, special instrumental effects as appli	
to modern arranging. Laboratory analysis and demonstration of sectional and ensemble voicing	
Music 40.3. Composition, Schillinger System.	Private teachin
A scientific system of music composition created by the late Joseph Schillinger, teacher	
such accomplished professionals as George Gershwin, Ted Royal Dewar.	
The major aims of the system are to: (1) generalize underlying principles regarding t	
behavior of tonal phenomena; (2) classify all the available resources of our tonal system;	
teach a comprehensive application of scientific method to all components of the tonal art,	
problems of melody, rhythm, harmony, counterpoint, orchestration and to composition itself.	
The system is best studied in the light of a traditional background and admission to cour	
or private instruction is by special permission only.	

II. METHODS AND MATERIALS

Music Ed. 23. Methods and Materials, Vocal: Early Childhood.	2:2:0. Second semeste
A comprehensive study of music teaching at the lower elementary level, including rationa	
for building a music education curriculum; acquaintance with appropriate music educatio	
materials; suggestions for presenting music with the purpose of developing conceptual unde	
standing of the elements of music; use of classroom instruments; beginnings of directed appre	
ciation; foundation studies for later technical developments.	
Music Ed. 33A. Methods and Materials, Vocal: Later Childhood.	2:2:0. First semeste
A study of the child's singing voice in the intermediate grades; attention is given to th	
formal or technical work of these grades with an evaluation of appropriate texts and rece	
approaches. Preparation of lesson plans, and observation are required. Music appreciation	
continued.	
Music Ed. 33B. Methods and Materials, Instrumental: Fourth, Fifth and Sixth Grades.	1:1:0. First semeste
A study of methods and materials used in teaching band and orchestral instruments	
children in these grades, with emphasis on a sound rhythmic approach. Both individual an	
class techniques are studied. Musical rudiments as applied to instrumental teaching are reviewe	
Music Ed. 34A. Methods and Materials, Vocal: Junior and Senior High School.	2:2:0. Second semeste
A study of adolescent tendencies of high school students. Class content of materials	
studied with attention to the organization and presentation of a varied program. Recent tren	
in teaching are studied.	
Music Ed. 34B. Methods and Materials, Instrumental: Junior and Senior High School.	1:1:0. Second semeste
A study of intermediate and advanced instrumental teaching techniques; methods of o	
ganizing and directing school orchestras and bands; fundamentals of musicianship.	
Music Ed. 43. Seminar in Advanced Instrumental Problems.	2:2:0. Second semeste
A study of the general and specific problems which confront the director of school orche	
tras, bands, and instrumental classes. Problems of general interest include: organization an	
management, stimulating and maintaining interest; selecting beginners; scheduling rehearsa	
and class lessons; financing and purchasing instruments, uniforms, and other equipment; marc	

ing band formations and drills; evaluating music materials; organizing festivals, contests, and public performances.

Music Ed. 44. Methods in Piano Pedagogy.

2:2:0. First semester.

A study of methods of teaching piano to children and adults. The course includes the song approach method, presentation of the fundamental principles of rhythm, sight reading, tone quality, form, technique, pedaling, transposition and the harmonization of simple melodies. Materials are examined and discussed.

III. STUDENT TEACHING

Music Ed. 40a.—40b. Student Teaching.

6 hours credit per semester.

Student teaching in Music Education, done in the Annville-Cleona Schools, the Derry Township Public Schools, and the Milton Hershey School, includes vocal and instrumental work from elementary to senior high school.

IV. INSTRUMENTAL COURSES

Class Instruction in Band and Orchestral Instruments.

Practical courses in which students, in addition to being taught the fundamental principles underlying the playing of all band and orchestral instruments, learn to play on instruments of each group, viz., string, woodwind, brass, and percussion. Problems of class procedure in public schools are discussed; transposition of all instruments is taught. Ensemble playing is an integral part of these courses.

Brass Instruments (Cornet, Trumpet, French Horn, Trombone, Baritone, Tuba)

Music 16. Brass I.

1:2:0. First semester.

A study of any two of the above instruments.

Music 17. Brass II.

1:2:0. Second semester.

A study of the remainder of the above instruments.

Percussion Instruments (Snare Drum, Tympany, Bass Drum, etc.)

Music 18. Percussion I.

½ :1:0. Second semester.

A study of snare drum only.

Music 48. Percussion II.

½ :1:0. Second semester.

A study of the remainder of the above listed instruments.

Woodwind Instruments (Clarinet, Flute, Piccolo, Oboe, Saxophone, Bassoon)

Music 25. Woodwind I.

1:2:0. First semester.

A study of the clarinet.

Music 26. Woodwind II.

1:2:0. Second semester.

A study of the remainder of the above listed instruments.

String Instruments (Violin, Viola, 'Cello, String Bass)

Music 37. String I.

1:2:0. First semester.

A study of all of the above listed instruments.

Music 38. String II.

1:2:0. Second semester.

A continuation of the study of all of the above listed instruments.

Instrumental Seminar.	1/2 :1:0 or 1:2:0. First or second semester
Application of specific techniques to problems of class instruction.	
Music 41.1—41.2. Brass	Prerequisite: Music 17.
Music 41.3—41.4. Percussion	Prerequisite: Music 48.
Music 41.5—41.6. String	Prerequisite: Music 38.
Music 41.7—41.8. Woodwind	Prerequisite: Music 26.

V. MUSIC ORGANIZATIONS

Opportunities for individual performance in a group experience are provided by music organizations. Membership in the organizations is open on an audition basis to all students of the College.

Music 101a—101b. Symphonic Band. 0:2:0. First semester. 0:3:0. Second semester
The Blue and White Marching Band of L.V.C. is noted for its half-time performances during the football season. The Symphonic Band of ninety pieces plays several concerts during the year both on and off campus. The finest original music for band is performed, as well as arrangements of the standard repertoire. Membership in the band is dependent upon the ability of the applicant and the instrumentation of the band. Students from all departments of the college are invited to audition.

Music 102a—102b. All-Girl Band. 0:1:0 per semester
L.V.C. is unique in having one of the few all-girl bands in the nation. All girls in the college with ability as instrumentalists are welcome to audition. Membership depends upon proficiency and the needs of the band regarding instrumentation.

Music 103a—103b. Symphony Orchestra. 0:3:0. First semester. 0:2:0. Second semester
The Symphony Orchestra is an organization of symphonic proportions maintaining a high standard of performance. A professional interpretation of a wide range of standard orchestral literature is insisted upon.

Music 104a—104b. Concert Choir. 0:3:0 per semester
The Concert Choir is composed of approximately forty voices, selected by audition. Various phases of choral literature are studied intensively. In addition to on-campus programs and appearances in neighboring communities, the Concert Choir makes an annual tour.

Music 105a—105b. College Chorus. 0:1:0 per semester
The Chorus provides an opportunity to study and participate in the presentation of choral literature of major composers from all periods of music history. It is open to all students who are interested in this type of musical performance and who have had some experience in singing.

Music 106a—106b. Beginning Ensemble. 0:1:0 per semester
A training band and orchestra in which students play secondary instruments and become acquainted with elementary band and orchestral literature. Opportunity is given for advanced conducting students to gain experience in conducting.

Music 113a—113b. Chapel Choir. 0:1:0 per semester
The Chapel Choir is composed of approximately forty voices, selected by audition. The main function of this choir is to provide musical leadership in the weekly chapel services. In addition seasonal services of choral music are prepared.

Instrumental Small Ensembles. 0:1:0 per semester
Open to the advanced player on an audition basis.
Music 107a—107b. String Quartet.
Music 108a—108b. String Trio.
Music 109a—109b. Clarinet Choir.
Music 110a—110b. Woodwind Quintet.

Music 111a—111b. Brass Ensemble.
Music 112a—112b. Percussion Ensemble.

VI. THE HISTORY AND APPRECIATION OF MUSIC

Music 19. History and Appreciation of Music. 3:3:0. Either semester.

A course for the non-music major designed to increase the individual's musical perceptiveness. Through selective, intensive listening, the student develops concepts of musical materials and techniques. The vocabulary thus gained is utilized in a survey of western music from the Middle Ages to the present.

Music 30a—30b. History of Music. 3:3:0 per semester.

A survey course of the history of western music. Emphasis is placed on the various stylistic developments which have occurred from one era to another, on the composers who have been responsible for these developments, and the music written during these various eras illustrating these stylistic trends. For this purpose, extensive use of recordings is made a part of the course. The first semester includes the development of music up to the Baroque era, the second semester from the Baroque to the present.

Music 32. Music Literature. 2:2:0. First semester.

A study of music literature for elementary, secondary, and adult levels. Interpretation of, response to, and appreciation of music with attention directed to musical elements. Emphasis is placed on instrumental literature.

Music 41. Music Literature Seminar (on special announcement). 3:3:0.

A study of music literature in depth, according to styles, form and techniques of the various musical periods. Designed especially for the B.A. candidate in Music with application of accumulated knowledge in theory, music history, and musical form. Emphasis is upon orchestral literature.

VII. CONDUCTING

Music 35. Conducting I. 2:2:0. Second semester.

Principles of conducting and the technique of the baton are presented. Each student conducts vocal and instrumental ensembles made up of the class personnel.

Music 45. Conducting II. 2:2:0. First semester.

A continuation of Conducting I with emphasis on practical work with small vocal and instrumental groups. Rehearsal techniques are discussed and applied through individual experience.

VIII. INDIVIDUAL INSTRUCTION

Music 131-132. Voice, Piano, Organ, Orchestral and Band Instruments. 1½:0 per semester.

The work in the foregoing fields is organized from the standpoint of the development and musicianship in the individual student. The work continues through eight semesters and assures a well-rounded and many-sided acquaintance with various musical techniques.

Music 141-142. Voice, Piano, Organ, Orchestral and Band Instruments. 2:1:0 per semester.

(Private study in major performance; for B.A. Music Majors only)

A charge is made for the second half-hour of instruction.

IX. PREPARATORY COURSES

The Department of Music sponsors preparatory courses adapted to children of elementary or high school age. Both adults and children are admitted at any stage of advancement.

Instruction, either private or in class, is offered in piano, voice, and all instruments of the band and orchestra. A desirable number for class instruction is from four to six students.

THE STUDENT RECITALS

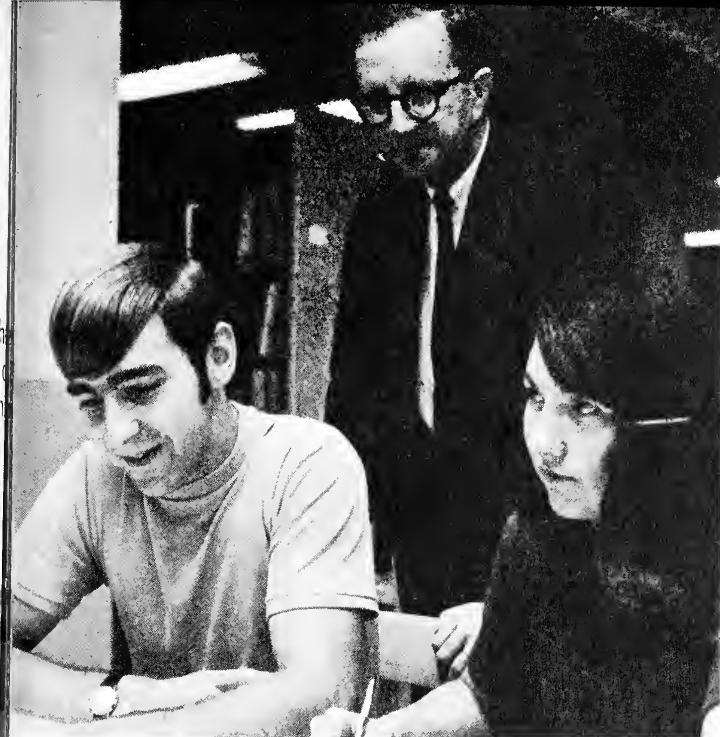
The student recitals are of inestimable value to all students in acquainting them with a wide range of the best musical literature, in developing musical taste and discrimination, in affording experience in appearing before an audience, and in gaining self-reliance as well as nerve control and stage demeanor.

Students at all levels of performance appear in these student recitals.

PIPE ORGANS

The Department of Music contains four Möller organs for private instruction and individual practice: one 4-manual, one 3-manual, two 2-manual instruments, and a 3-manual 62-rank Schantz organ in the College Chapel, installed in 1968.





PHILOSOPHY

Professor Ehrhart; Assistant Professor Thompson

The objective of the Department of Philosophy is to provide students with an opportunity to study the philosophical heritage of the Western World and to become acquainted with the major problems which leading philosophers have raised and attempted to resolve.

Major: A total of twenty-four hours is required of the philosophy major. Besides the courses listed below, Political Science 40 (Political Theory) may be taken to satisfy the requirements.

INDEPENDENT STUDY

Students wishing to participate in the Independent Study program in the department may do so by fulfilling the following requirements: (1) achieve high academic standing in departmental courses; (2) submit a paper in connection with a course beyond the first year courses; (3) apply and receive approval for participation in Independent Study from the departmental chairman and the Dean of the College by the end of the first semester of the junior year; (4) prepare an essay of 10,000 words or more under the direction of a member of the department to be submitted by April 1 of the senior year; (5) defend the essay before a faculty committee selected by the departmental chairman and the Dean of the College.

On the basis of his performance in the essay and oral examination, the departmental chairman and the Dean of the College will determine whether or not the candidate is to receive departmental honors.

10. Problems of Philosophy.

3:3:0. First semester.

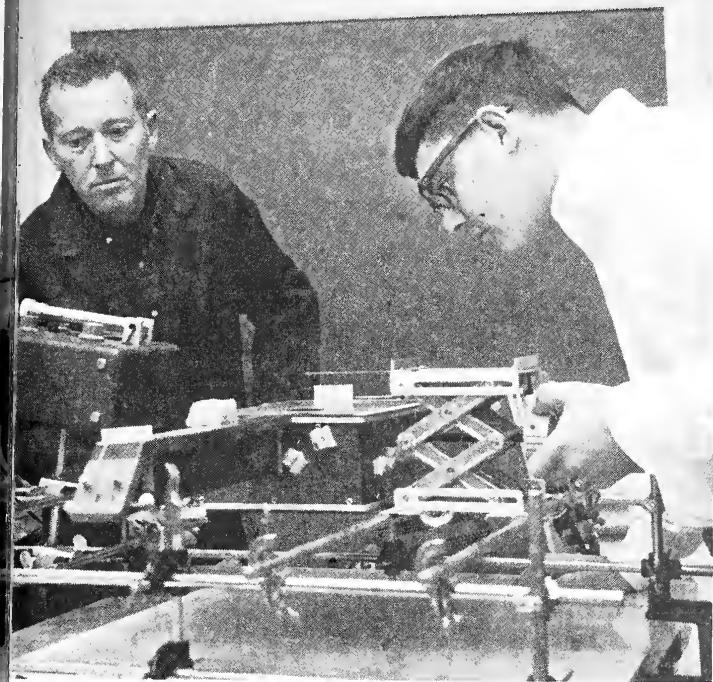
An introduction to some of the main problems of philosophy and to the ways in which leading philosophers have dealt with them.

11. General Logic.

3:3:0. Second semester.

An introduction to the rules of clear and effective thinking. Attention is given to the logic of meaning, the logic of valid inference, and the logic of factual inquiry. Main emphasis is laid upon deductive logic, and students are introduced to the elements of symbolic logic as well as to traditional modes of analysis.

- 23. Ancient and Medieval Philosophy.** 3:3:0. First semester. Offered 1970-1971.
This course traces the evolution of Western philosophical thought from its origin in the speculations of the Pre-Socratic nature-philosophers to the systematic elaborations of the schoolmen of the late Middle Ages.
Prerequisite: Philosophy 10 or consent of the instructor.
- 24. Modern Philosophy.** 3:3:0. Second semester. Offered 1970-1971.
This course follows the development of philosophical thought in the leading thinkers from the Renaissance to the beginning of the Nineteenth Century.
Prerequisites: Philosophy 10 and 23 or consent of the instructor.
- 30. Ethics.** 3:3:0. First semester. Offered 1970-1971.
An inquiry into the central problems of ethics, with an examination of the responses major ethical theories to those problems.
Prerequisite: Philosophy 10 or consent of instructor.
- 31. Philosophy of Religion.** 3:3:0. Second semester.
A study of the issues raised for philosophy by contemporary religious and theological thought. A critical examination of such problems as faith and reason; the meaning of revelation, symbolism, and language; the arguments for the existence of God; faith and history; religion and culture.
Prerequisite: Philosophy 10 or consent of the instructor.
- 35. Twentieth Century Philosophy.** 3:3:0. First semester. Offered 1971-1972.
An examination of the foremost American, British and Continental Philosophers, from 1900 to the present.
Prerequisites: Philosophy 10, 11, 23, 24, or consent of instructor.
- 40. Metaphysics.** 3:3:0. First semester. Offered 1970-1971.
A detailed consideration of the "theory of reality," as interpreted by representative philosophers from the Pre-Socratics to the British and American linguistic analysts, including the twentieth-century phenomenologists.
Prerequisites: Philosophy 10, 11, 23, 24 and Senior standing; or consent of the instructor.
- 41. Aesthetics.** 3:3:0. Second semester. Offered 1971-1972.
A study of the nature and basis of criticism of works of art.
Prerequisites: Philosophy 10, Art 12 or Music 19 or consent of the instructor.
- 42. Seminar.** 2-3 hours credit. Second semester.
Discussion of selected problems of philosophy.
Open to upperclassmen only, with consent of instructor.
- 45. Epistemology.** 3:3:0. Second semester. Offered 1970-1971.
A critical and analytical study of the chief questions involved in "knowing," as formulated by thinkers from the time of Plato to the present.
Prerequisites: Philosophy 10, 11, 23, 24 and Senior standing; or consent of the instructor.



PHYSICS

Professors Rhodes and Grimm; Assistant Professors O'Donnell and St. Pierre

The Department of Physics attempts to develop in the student an increased understanding of the basic laws of nature as they relate to our physical environment, and to indicate the possible extent, as well as the limitations, of our knowledge of the physical world.

The introductory course, Physics 10, is intended for students who wish to take only one course in Physics. The sequence of courses beginning with Physics 17 provides suitable training for students who anticipate additional work in the physical sciences and who are preparing for graduate school, for secondary school teaching, and for research and development work in governmental and industrial laboratories. Laboratory work is designed to acquaint the student with the experimental techniques and the measuring instruments appropriate to the various areas of investigation, and to give experience in the interpretation and communication of the experimental results.

Mathematics is an essential tool in the study of Physics. The introductory course, Physics 10, requires a knowledge of high school algebra and trigonometry, but students who plan to take other courses in Physics should take the appropriate prerequisite mathematics courses as soon as possible.

Major: Physics 17, 27, 32, 37 or 38, and 40.

INDEPENDENT STUDY

Juniors and seniors who have demonstrated high academic ability may, with the permission of the departmental chairman and the Dean of the College, participate in the Independent Study program in Physics. Application for admission to the program should be made before the end of the junior year. Upon the satisfactory completion of an approved experimental or theoretical research project and the formal presentation of a research paper before an examining committee, the student will be recommended to the Dean of the College for graduation with departmental honors.

10. General College Physics.

4:3:3 per semester.

An introduction to the fundamental concepts and laws of the various branches of physics, including mechanics, heat, sound, electricity, magnetism, optics, and atomic and nuclear structure.

17. Principles of Physics I.

4:3:3 per semester

A comprehensive introductory course designed for students who desire a more rigorous mathematical approach to college physics than is given in Physics 10. Calculus is used throughout. The first semester is devoted to mechanics, and the second semester to heat, wave motion, and optics. This course should be followed by Physics 27.

Prerequisite or corequisite: Mathematics 11.

27. Principles of Physics II.

4:3:3 per semester

A continuation of Physics 17, devoted in the first semester to the study of electricity and magnetism and in the second semester to the study of modern physics, including the foundation of atomic physics, the quantum theory of radiation, the atomic nucleus, radioactivity, nuclear reactions.

Prerequisite: Physics 17.

32. Electricity and Magnetism.

3:3:0 per semester

The basic definition of electric and magnetic quantities, a study of the electric and magnetic properties of matter, the laws of electric and magnetic fields, the development of Maxwell's equations, and electromagnetic waves.

Prerequisites: Physics 27 and Mathematics 21.

37. Experimental Physics I.

1:0:3 per semester

Experimental work in the areas of mechanics, electricity, and optics, with emphasis on experimental design, measuring techniques, and analysis of data.

Prerequisite: Physics 27.

38. Experimental Physics II.

1:0:3 per semester

Experimental work in the areas of high vacuum, electronics, atomic physics, and nuclear physics, with emphasis on experimental design, measuring techniques, and analysis of data.

Prerequisite: Physics 27.

40. Analytical Mechanics.

3:3:0 per semester

A rigorous study of the principles of mechanics as applied to the motion of particles, systems of particles, and rigid bodies, under the action of conservative and dissipative forces, using the methods of Newton, Lagrange, and Hamilton.

Prerequisites: Physics 27 and Mathematics 21.

41. Modern Physics.

3:3:0 per semester

A rigorous study of modern physics, beginning with the development of quantum mechanics via the Schrödinger equation, including perturbation and collision theory. The latter portion of the course is directed toward the application of quantum mechanics to fundamental processes in atomic and nuclear physics.

Prerequisites: Physics 32 and 40.

48. Physics Seminar.

3:3:0 per semester

A study at the senior level of special topics in physics, to be selected each year from the following: thermodynamics, statistical mechanics, physical optics, electronics, nuclear physics, and solid state physics. The seminar is open to students from any department with approval of the instructor.



PSYCHOLOGY

Professor Love; Associate Professor Felice; Assistant Professors Knarr and Mather

The courses offered in the Department of Psychology are designed: (1) to develop in the student an understanding and appreciation of the biological and environmental bases of human behavior and of the role of that behavior in adjustment; (2) to foster healthy adjustment through the objective application of psychological principles to problems related to personal, vocational, and moral growth; and (3) to furnish a theoretical, scientific, and practical acquaintance with principles, methods, and techniques basic to graduate study and employment in psychology and beneficial in the many occupations in which psychology is applied.

Major: Psychology 20, 43, 44, 45a, 45b, and 35a-b for pre-professional students. With approval, six hours of electives may be credited from the following: Biology 22, 32; Mathematics 12; other graduate school recommendations.

INDEPENDENT STUDY

Independent Study in psychology is planned to permit the capable student to increase the depth of his understanding in areas of special interest and the general scope of his knowledge of psychology.

In order to participate in Independent Study a psychology major is required to: (1) maintain an over-all grade-point average of 2.5, (2) maintain a grade-point average of 3.0 in psychology courses, (3) show consistently high intellectual interest and initiative, (4) receive the approval of the departmental staff and the Dean of the College.

The core of the program will consist in the investigation of a principal problem during the junior and senior years, beginning with the study of the literature and culminating in the design and execution of an empirical study. Results of this project will be reported and defended during the second semester of the senior year.

Graduation with Honors in Psychology will depend on the quality of performance in the specified activities, on the maintenance of the grade-point averages specified for admission to the program, and on the final approval of the departmental staff and Dean of the College.

- 20. General Psychology.** 3:3:0. Either semester.
A study of principles of psychology and of psychological method.
- 21. Psychology of Childhood.** 3:3:0. First semester.
A study of the psychological development of the child from the beginning of life to adolescence.
Prerequisite: Psychology 20.
- 23. Educational Psychology.** 3:3:0. Either semester.
A study of the learner and of the learning process.
Required for elementary and secondary certification.
Prerequisite: Psychology 20.
- 25. General Experimental Psychology.** 3 hours credit per semester.
Introduction to experimental methods through the study of major areas of psychology. First semester is concerned with learning and motivation. Second semester is concerned with sensation and perception.
Prerequisite: Psychology 20.
- 31. Psychology of Adolescence.** 3:3:0. Second semester.
A study of the psychological development in the adolescent period.
Prerequisite: Psychology 20.
- 32. Psychology of Abnormal Behavior.** 3 hours credit. First semester.
An introduction to the behavior disorders.
Prerequisite: Psychology 20.
- 33. Social Psychology.** 3 hours credit. Second semester.
A study of the social and cultural determinants of behavior.
Prerequisite: Psychology 20; junior or senior standing or permission of staff.
- 35a—35b. Research Design and Statistical Analysis.** 3 hours credit per semester.
A study of principles of research design and statistical analysis; planning and execution of direct studies.
Prerequisites: Psychology 20 and 25.
- 41. Introduction to Clinical Psychology.** 3 hours credit. Second semester.
An introduction to current methods of diagnosis and psychotherapy of behavior problems and to the applications of psychology in clinical situations.
Prerequisites: Psychology 20 and 32, senior standing or permission of the staff.

- 43. Personality.** A study of the major contemporary theories of personality. Prerequisite: Psychology 20. 3:3:0. First semester.
- 44. Physiological Psychology.** A study of the physiological determinants of behavior. Prerequisite: Psychology 20. 3 hours credit. First semester.
- 45a—45b. Seminar.** Independent study and research. Prerequisites: A major in psychology and senior standing; or permission of the staff. 1 to 3 hours credit per semester.





RELIGION

Professor Wethington; Associate Professor Troutman; Assistant Professors Bemesderfer, Cantrell and Stambach

The aim of this department is to provide opportunity for the study of the meaning of man's religious experience.

The department seeks to orient the student to a Christian world view, providing a understanding of the Scriptures and the heritage of the Christian church as a means to this end, as well as the enhancing of Christian living as a dynamic experience.

Professionally, basic courses are offered to students preparing for the Christian ministry, the world mission field, the teaching of religion, and other church vocations.

Major: A total of twenty-four semester hours is required, including Religion 44 and 45. A total of six hours of New Testament or Hellenistic Greek (Greek 21) as well as Philosophy of Religion (Philosophy 31) may be counted toward a Religion major.

INDEPENDENT STUDY

Students wishing to participate in the Independent Study program in the department may do so by fulfilling the following requirements: (1) achieve high academic standing in departmental courses; (2) submit a paper in connection with a course beyond the first year courses; (3) apply and receive approval for participation in Independent Study from the departmental chairman and the Dean of the College by the end of the first semester of the junior year; (4) prepare an essay of 10,000 words or more under the direction of a member of the department to be submitted by April 1 of the senior year; (5) defend the essay before a faculty committee selected by the departmental chairman and the Dean of the College.

On the basis of his performance in the essay, and oral examination, the departmental chairman and the Dean of the College will determine whether or not the candidate is to receive departmental honors.

12. Introduction to Biblical Thought.

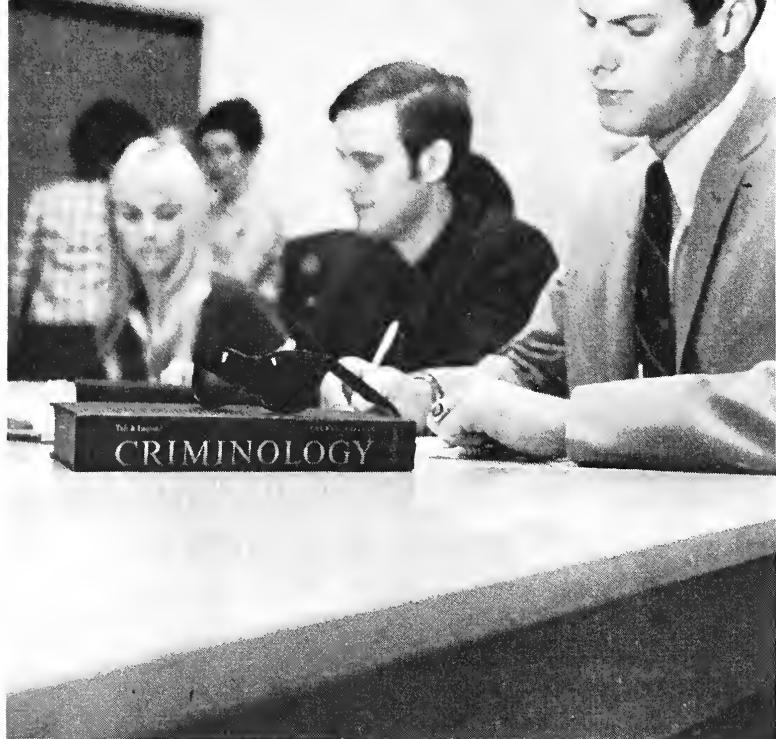
3:3:0. First semester

An examination of some of the basic themes of Biblical religion in relation to their historical context and their contemporary implications.

- 13. Introduction to the Christian Faith.** 3:3:0. Second semester.
A systematic inquiry into the areas of religious language, religious knowledge, and the doctrines of God, man, Christ, and the Church.
- 20. The Prophets.** 3:3:0. Second semester. Offered 1970-1971.
A study of the lives and writings of the Old Testament prophets, and an analysis of their contributions to Hebrew-Christian religious thought.
Prerequisite: Religion 12.
- 22. Religion in America.** 3:3:0. Second semester.
A study of contemporary Judaism, Roman Catholicism, and Protestantism in the United States, including a brief historical background of each. Some attention is given to the various religious sects and cults.
No prerequisites.
- 30. Life and Epistles of Paul.** 3:3:0. Second semester. Offered 1971-1972.
A study of the life, writings, and theological thought of Paul and their relationship to the practices, problems, and beliefs of the early church.
Prerequisite: Religion 12 or 13.
- 32. Life and Teachings of Jesus.** 3:3:0. First semester.
An intensive study of the life and message of Jesus as set forth in the Gospels.
Prerequisite: Religion 12 or 13.
- 33. Christian Ethics.** 3:3:0. Second semester.
A systematic analysis of the implications of the Christian faith both for personal moral decision, and for social policy in such areas as government and political life, work and the economic order.
Prerequisite: Religion 12 or 13.
- 40. Introduction to Christian Nurture.** 3:3:0. Second semester. Offered 1971-1972.
An investigation of some of the principles and problems of religious education as they are related to higher education, the public school, the church school, and the home.
Prerequisite: Religion 12 or 13.
- 42. World Religions.** 3:3:0. First semester.
An examination of the rise and development of religion along with a study of the ideas, and cultic and ethical practices of the great world faiths. Special attention given to world religions.
No prerequisites.
- 44. Seminar in Classical Religious Thinkers.** 3:3:0. First semester. Offered 1970-1971.
An intensive study of the thought of such classical religious thinkers as Augustine, Aquinas, Luther, and others.
Required of majors and strongly recommended for all pre-theological students; others by permission of the chairman of the department.
- 45. Seminar in Contemporary Religious Problems.** 3:3:0. Second semester. Offered 1970-1971.
A study of selected problems arising from recent theological efforts. Research methodology is stressed.
Required of majors and strongly recommended for all pre-theological students; others by permission of the chairman of the department.

RUSSIAN

See Foreign Languages, page 80.



SOCIOLOGY

Acting Chairman Fehr; Assistant Professor White

The courses in the Department of Sociology have been designed: (1) to develop the student's understanding of the social structure and the social relationships in which man functions; (2) to provide preliminary training for those who are planning to enter the field of social, religious, and community work; and (3) to furnish basic background knowledge for the pursuance of graduate work in Sociology.

Major: Sociology 20, 21, 30, 31, 33, 34, 43, and 45.

INDEPENDENT STUDY

The departmental Independent Study program is designed to provide stimulation to capable students to undertake and carry through academic work of high quality. Independent Study is planned as an integral part of the student's major program rather than viewed as work superimposed upon it, and is set in the framework of a major area of concentration.

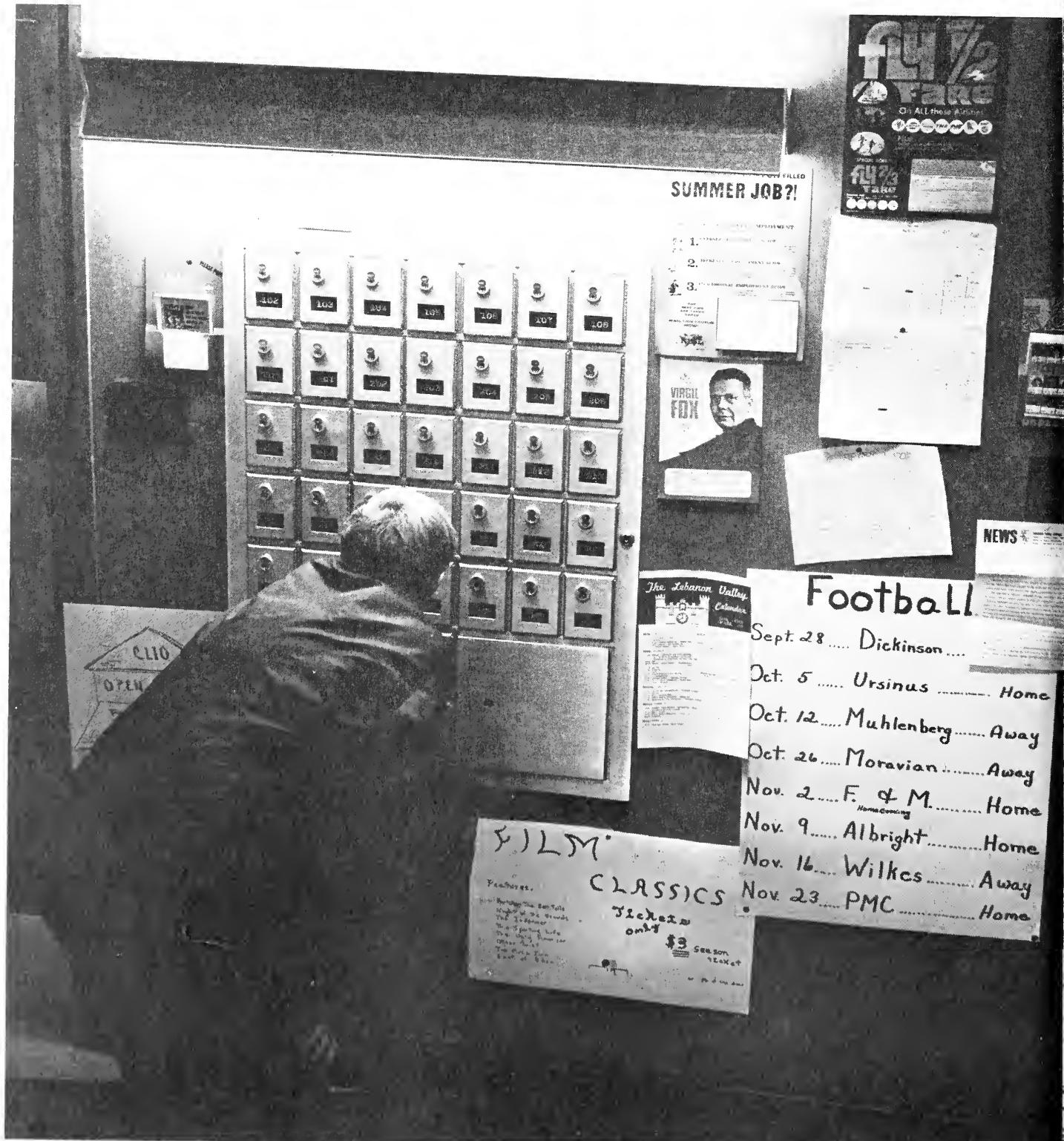
1. The student should apply for admission to the Independent Study program at the beginning of the second semester of the sophomore year. This would enable him to undertake preliminary work for one year before being admitted to full status in the program at the beginning of the second semester of the junior year.
2. To enter the Independent Study program a student must have a high general standing in the College and the approval of the departmental chairman and the Dean of the College no later than the end of the first semester of the junior year. An average grade of 3.0 in all courses in the student's major area of concentration is required as is an average of 3.0 while he is pursuing his work as a candidate for departmental honors. The student must, in addition, fulfill any other specific requirements of the department.
3. The student in Independent Study will prepare an essay of ten thousand words or more under the direction of the departmental chairman to be submitted by the end of the first semester of his senior year. It shall be defended in a manner approved by the departmental chairman and the Dean of the College.
4. The Independent Study of each student shall be tested by a special oral examination. On the basis of his performance in the essay and oral examination, the departmental chairman and the Dean of the College will determine whether or not the candidate is to receive departmental honors.

- 20. Introductory Sociology.** 3:3:0. First semester.
The study of social life and human values expressed in group activities and their interrelationships. This course acquaints the students with primary concepts in the field of Sociology. Particular attention is given to: contributions from cultural anthropology and social psychology; social stratification; racial and ethnic groups, the modern community; basic human institutions; major social forces.
- 21. Modern Social Problems.** 3:3:0. Second semester.
An application of sociological principles to problems such as: poverty, delinquency, crime; family discord; industrial, race, and nationality conflicts; mental disorders.
- 22. Marriage and the Family.** 2:2:0. Second semester.
The American family studied in cross-cultural perspective. Special emphasis is placed upon functions of the family as institution and matrix of personality. The influence of the American value system is examined.
- 30. Criminology.** 3:3:0. First semester. Offered 1970-1971.
An analysis of the interplay of forces which result in criminal behavior. Case histories are used to illustrate the individual and social forces in criminal careers. Emphasis is given to organized crime as a social phenomenon in American life, the administration of American criminal justice, developments in penology and treatment of offenders, and programs of crime prevention. Changing aspects of juvenile delinquency are explored.
- 31. Introduction to Social Work.** 3:3:0 per semester. Offered 1970-1971.
A pre-professional course dealing with the nature and requirements of the fields of social work. Observation of the work of private and public agencies in this field is required.
Prerequisites: Sociology 20 and 21.
- 33. Social Institutions.** 3:3:0. First semester. Offered 1971-1972.
Analysis of the structure and function of major social institution, such as religion, mass culture and mass media. Attention is directed to the impact of institutional expectations upon the individual.
- 34. Methods of Social Research.** 3:3:0. First semester. Offered 1971-1972.
An introduction to the basic principles of research design and to the primary techniques utilized in the collection and analysis of data for testing sociological hypotheses.
Prerequisites: Sociology 20 and 21; open only to junior and senior majors in Sociology and to others by permission of the staff.
- 40. Population.** 2:2:0. First semester. Offered 1971-1972.
A study of the size, growth, composition, and distribution of the peoples of the earth. Emphasis is placed on problems occasioned by urban development.
Prerequisite: Sociology 20.
- 43. Development of Sociological Theory.** 3:3:0. Second semester. Offered 1971-1972.
A critical appraisal of the works of some American and European sociologists. Particular emphasis is given to the similarities and differences in basic assumptions and conclusions of leading writers since 1900.
Prerequisites: Sociology 20 and 21.
- 45. Senior Seminar.** 2:2:0 per semester.
Emphasis upon coordination of previous course work and understanding of the basic contributions of Sociology in relation to other behavioral sciences. Significant reading, critical discussion, written analysis, and research projects, with these aims in view. Adapted to the individual needs of students.
To supplement course work, direct experience in a social work practicum for students who have an expressed interest in the social work field. Cooperating social agencies include: the Lebanon County Board of Assistance; Family and Children's Service, Lebanon; and the Veterans Administration, R.D. 1, Lebanon. Participation by permission of the appropriate departmental chairman.
Senior Sociology majors or with permission of the departmental chairman.

SPANISH

See Foreign Languages, page 80.

Directorie



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Millersville, Pennsylvania

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Personnel Services

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A.B., B.D., S.T.M., D.D.
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Tampa, Florida
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B.A.
Housewife
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A.B., B.D., S.T.M., D.D.
Pastor — St. Paul's United Methodist Church
Elizabethtown, Pennsylvania
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Resident Bishop — Harrisburg Area United Methodist Church
Harrisburg, Pennsylvania
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A.B., B.D., D.D.
Pastor — Grace United Methodist Church
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A.B., B.D., S.T.M., D.D.
Pastor — St. Paul's United Methodist Church
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Office Manager — John E. Baker Co.
York, Pennsylvania
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B.S., M.A., Ph.D., Sc.D.
Professor of Zoology & Director of the
- Bureau of Biological Research
Rutgers, The State University
New Brunswick, New Jersey
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A.B., M.A., Ph.D.
Chairman of Department of Psychology;
Professor of Psychology
Lebanon Valley College
Annville, Pennsylvania
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A.B.
Retired Executive — Blumenthal-Kahn Electric Company
Owings Mills, Maryland
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B.S., B.D., D.D.
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A.B., B.D., D.D.
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Ardmore, Pennsylvania
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Ellicott Machine Corporation
Baltimore, Maryland
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Chairman of Department of Chemistry;
Professor of Chemistry
Lebanon Valley College
Annville, Pennsylvania
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B.C.S.
Retired — United States Government
Washington, D.C.
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Pastor — Covenant United Methodist Church
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H.B. Reese Candy Co., Inc.
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B.S., Ph.D.
Chairman of Department of Physics;
Professor of Physics
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Treasurer — Schmidt & Ault Paper Co.
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Palmyra, Pennsylvania
- *DANIEL L. SHEARER (1971)
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United Methodist Church
New Cumberland, Pennsylvania
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B.S., B.D.
Pastor — First United Methodist Church
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A.B., LL.B.
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York, Pennsylvania
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B.A., B.D., D.D.
Associate Program Director
Central Pennsylvania Conference
United Methodist Church
Camp Hill, Pennsylvania
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A.B., B.D., S.T.M.
Pastor — Otterbein United Methodist
Church
Mount Wolf, Pennsylvania
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Strickler Insurance Agency
Lebanon, Pennsylvania
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B.A., M.A., Ph.D.
Chairman of Department of Economics &
Business Administration; Professor of
Economics & Business Administration
Lebanon Valley College
Annville, Pennsylvania
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A.B., B.D.
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Policy and Program:

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Ex-officio — President, Dean of the College, Chaplain, Chairman of the Board

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President.

B.A., Lebanon Valley College, 1952; M.Ed., Western Maryland College, 1956; D.Ed., The Pennsylvania State University, 1968; P.D., Albright College, 1968.

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Office of the Assistant to the President

EARL R. MEZOFF, 1963—;

Assistant to the President, 1963—; Vice President, 1967—.

A.B. Thiel College, 1947; M.A., Michigan State University, 1948; D.Ed., The Pennsylvania State University, 1965.

MRS. ELOISE J. MILLER, *Secretary.*

ACADEMIC:

Office of the Dean of the College

CARL Y. EHRHART, 1947—;

Dean of the College, 1960—;

Vice President, 1967—.

A.B., Lebanon Valley College, 1940; B.D., United Theological Seminary, 1943; Ph.D., Yale University, 1954.

RALPH S. SHAY, 1948—51; Feb. 1953—;
Assistant Dean of the College, 1967—.
A.B., Lebanon Valley College, 1942; A.M., University of Pennsylvania, 1947; Ph.D., 1962.

MISS JEANETTE E. BENDER, *Secretary.*

Office of Admissions

D. CLARK CARMEAN, 1933—;

Director of Admissions, 1949—.

A.B., Ohio Wesleyan University, 1926; M.A., Columbia University, 1932.

GREGORY G. STANSON, 1966—;

Assistant to the Director of Admissions, 1968—.

B.A., Lebanon Valley College, 1963; M.Ed., University of Toledo, 1966.

DIANE K. BOTT, 1968—.

Counselor in Admissions.

B.A., Lebanon Valley College, 1968.

MRS. PATRICIA M. GILLO, *Secretary*

MRS. S. ESTHER LINGLE, *Secretary*

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Registrar, 1967–.

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MRS. MARION G. LOY, *Secretary*.

MRS. SALLY A. SAPONSKY, *Secretary*

Faculty

GEORGE G. STRUBLE, 1931–;
Secretary of the Faculty, 1933–.

Library

DONALD E. FIELDS, 1947–;
Librarian, 1956–;
A.B., Lebanon Valley College, 1924; M.A.,
Princeton University, 1928; Ph.D., University
of Chicago, 1935; A.B. in Library Science,
University of Michigan, 1947.

MRS. FRANCES T. FIELDS, 1947–;
Cataloging Librarian.
A.B., Lebanon Valley College, 1929; A.B.
in Library Science, University of Michigan,
1947; M.A., *Universidad de San Carlos de
Guatemala*, 1960.

MRS. ALICE S. DIEHL, 1966–;
Assistant in Cataloging and Reference.
A.B., Smith College, 1956; B.S., Carnegie
Institute of Technology, 1957; M.L.S., Uni-
versity of Pittsburgh, 1966.

MRS. ELOISE P. BROWN, 1961–;
Cataloging Assistant.
B.S., in Library Science, Simmons College,
1946.

MRS. FERNE M. STECKMAN, *Secretary*.

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MISS SUSAN J. SMITH, *Secretary*.

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112 College Avenue

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Dean of Men, 1956–.

A.B., Lebanon Valley College, 1948; M.A.,
Columbia University, 1951; Ed.D., Temple
University, 1967.

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MISS MARTHA C. FAUST, 1957–;
Dean of Women.

A.B., Lebanon Valley College, 1937; M.A.,
Syracuse University, 1950.

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MRS. ELIZABETH C. OTT, *Head Resident*,
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MRS. MARY E. RHINE, *Hostess*, Carnegie
Lounge.

MRS. NORA M. TEAHL, *Hostess*, Carnegie
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P. LAURENCE KREIDER, 1966–;
College Physician.

A.B., Dartmouth College, 1953; M.D., Tem-
ple University School of Medicine, 1957.

MRS. MARGIE M. YEISER, R.N., 1967–;
Head Nurse.

Harrisburg Polyclinic Hospital School of
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MISS ELAINE L. GERHARD, R.N., *Resident
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ffice of the Chaplain

MES O. BEMESDERFER, 1959—;
College Chaplain.

A.B., Lebanon Valley College, 1936; B.D.,
United Theological Seminary, 1939; S.T.M.,
Lutheran Theological Seminary, Phila., 1945;
S.T.D., Temple University, 1951.
ISS SUSAN J. SMITH, *Secretary.*

ffice of Athletics

WILLIAM D. McHENRY, 1961—;
Director of Athletics.

B.S., Washington and Lee University, 1954;
M.Ed., University of Pennsylvania, 1960.
MISS EILEEN F. KRAUSE, *Secretary.*

Coaching Staff

HOMAS W. ALLMON, 1969—;
Assistant Football Coach.

B.S., West Chester State College, 1959.

ROGER GAECKLER, 1969—;
Basketball Coach; Assistant Lacrosse Coach.

MRS. E. ELIZABETH GARMAN, 1964—;
Women's Basketball Coach.

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Assistant Football Coach.

B.S., University of Maryland, 1957.

GEORGE P. MAYHOFFER, 1955—;
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B.S., Lebanon Valley College, 1950; The Pennsylvania State University, 1955.

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Football Coach; Lacrosse Coach.

GERALD J. PETROFES, 1963—;
Athletic Trainer; Wrestling Coach; Golf Coach.

RONALD A. ROGERSON, 1968—;
Assistant Football Coach; Assistant Track Coach; Director of Intramurals.

MRS. JACQUELINE WALTER, 1965—;
Women's Hockey Coach.

COLLEGE RELATIONS AREA:

Development Office

ROBERT M. WONDERLING, 1967—;
Director of Development.

B.S., Clarion State College, 1953; M.Ed., University of Pittsburgh, 1958.

JOHN C. McFADDEN, 1969—;

Assistant Director of Development; Coordinator of Conferences.

B.S., Lebanon Valley College, 1968.

MRS. PATRICIA A. BINKLEY, *Secretary.*

MRS. CHERYL M. WUNDERLICH, *Secretary.*

Public Relations Office

RICHARD V. SHOWERS, 1965—;
Director of Public Relations.

A.B., Franklin and Marshall College, 1942.

MRS. ANN K. MONTEITH, 1966—;
Director of Publications.

A.B., Bucknell University, 1965.

MRS. EDNA J. CARMEAN, 1961—;
Staff Assistant.

A.B., Lebanon Valley College, 1959.

MRS. CHRISTINE F. BROUH, *Secretary.*
MISS BARBARA C. RHINE, *Secretary.*

Alumni Office

DAVID M. LONG, 1966—;
Director of Alumni Relations and Industrial Placement.

A.B., Lebanon Valley College, 1959; M.Ed., Temple University, 1961.

MRS. P. RODNEY KREIDER, 1951—;
Assistant Director of Alumni Relations, 1966—.

A.B., Lebanon Valley College, 1922.

MRS. HELEN L. MILLER, *Secretary.*

BUSINESS MANAGEMENT:

Office of the Controller

ROBERT C. RILEY, 1951—;
*Controller, 1962—;
Vice President, 1967—;*
B.S., in Ed., State College, Shippensburg, 1941; M.S., Columbia University, 1947; Ph.D., New York University, 1962.

IRWIN R. SCHAAK, 1957—;
*Assistant Controller, 1964—;
Student Financial Aid Officer, 1967—.*

ROBERT C. HARTMAN, 1969—;
Accountant.

B.S., Elizabethtown College, 1962.

MRS. CLARA P. MILLER, *Staff Assistant.*

MRS. KATHLEEN M. HORNBERGER, *Secretary.*

MRS. LUCILLE E. HANNIGAN, *Switchboard Operator.*
MRS. BARBARA A. STERNER, *Secretary.*
MRS. ANNA M. GUIDON, *Secretary.*
MRS. DORIS L. HOWER, *Secretary.*
MRS. DOROTHY E. LAFFERTY, *Secretary.*
MRS. ETTA K. UNGER, *Secretary.*
ROBERT E. HARNISH, *Manager of the Book Store and Snack Bar.*
B.A., Randolph Macon College, 1966.

Buildings and Grounds

SAMUEL J. ZEARFOSS, 1952—;
Superintendent of Buildings and Grounds, 1969—.
AUSTIN C. FLOOD, 1963—;
Assistant Superintendent of Buildings and Grounds, 1969—.

Food Service

MRS. MARGARET S. MILLARD, 1951—;
Dietitian.
MRS. DERTHA A. HEILMAN, *Assistant to the Dietitian.*
ROBERT E. HARNISH, *Manager of the Snack Bar.*

FACULTY 1969-1970

FREDERICK P. SAMPLE, 1968—;
President.
CARL Y. EHRHART, 1947—;
Dean of the College.

EMERITI:

FREDERIC K. MILLER, 1939-1967;
President Emeritus.
A.B., Lebanon Valley College, 1929; M.A., University of Pennsylvania, 1931; Ph.D., 1948; Litt.D., Muhlenberg College, 1954; D.H.L., Dickinson College, 1967; LL.D., Lebanon Valley College, 1968; D.Pd., Geneva College, 1968; LL.D., Waynesburg College, 1969.

LENA L. LIETZAU, 1930-1952;
Professor Emeritus of German.
Ph.D., University of Vienna, 1928.

V. EARL LIGHT, 1929-1962;
Professor Emeritus of Biology.
A.B., Lebanon Valley College, 1916; M.S., 1926; Ph.D., Johns Hopkins University, 1927.
HELEN ETHEL MYERS, 1921-1956;
Librarian Emeritus.
A.B., Lebanon Valley College, 1907; Library Science, Drexel Institute of Technology.
ALVIN H. M. STONECIPHER, 1932-1958;
Professor Emeritus of Latin Language and Literature; Dean Emeritus.
A.B., Vanderbilt University, 1913; A.M., 1914; Ph.D., 1917; Litt.D., Lebanon Valley College, 1962.
FRANCIS H. WILSON, 1953-1968;
Professor Emeritus of Biology.
B.S., Cornell University, 1923; M.S., 1925; Ph.D., 1931.

PROFESSORS:

MRS. RUTH ENGLE BENDER, 1918-1922
1924—;
Adjunct Professor of Music Education.
A.B., Lebanon Valley College, 1915; Oberlin Conservatory; graduate New England Conservatory.

BARNARD H. BISSINGER, 1953—;
John Evans Lehman Professor of Mathematics; Chairman of the Department of Mathematics.
A.B., Franklin & Marshall College, 1938; M.A., Syracuse University, 1940; Ph.D., Cornell University, 1943.

CLOYD H. EBERSOLE, 1953—;
Professor of Education; Chairman of the Department of Education.
A.B., Juniata College, 1933; M.Ed., The Pennsylvania State University, 1941; D.Ed., 1954.

CARL Y. EHRHART, 1947—;
Acting Chairman of the Department of Philosophy.

DONALD E. FIELDS, 1947—;
Librarian; Josephine Bittinger Eberly Professor of Latin Language and Literature.

LIZABETH M. GEFFEN, 1958—;
Professor of History; Chairman of the Department of History and Political Science.
B.S., in Ed., University of Pennsylvania, 1934; M.A., 1936; Ph.D., 1958.

SAMUEL O. GRIMM, 1912—;
Professor of Physics.
B.Pd., State Normal School, Millersville, 1910; A.B., Lebanon Valley College, 1912; A.M., 1918; Sc.D., 1942.

ELIAN O. LOVE, 1954—;
Professor of Psychology, Chairman of the Department of Psychology.
A.B., Erskine College, 1941; M.A., Winthrop College, 1949; Ph.D., University of North Carolina, 1953.

EDWARD A. NEIDIG, 1948—;
Professor of Chemistry; Chairman of the Department of Chemistry.
B.S., Lebanon Valley College, 1943; M.S., University of Delaware, 1946; Ph.D., 1948.

MARIA ELIZABETH PIEL, Jan., 1960—;
Professor of Languages; Chairman of the Department of Foreign Languages.
A.B., Chatham College, 1928; M.A., University of Pittsburgh, 1929; Ph.D., 1938.

EDACOB L. RHODES, 1957—;
Professor of Physics; Chairman of the Department of Physics.
B.S., Lebanon Valley College, 1943; Ph.D., University of Pennsylvania, 1958.

GEORGE G. STRUBLE, 1931—;
Professor of English; Chairman of the Department of English; Secretary of the Faculty.
B.S., in Ed., University of Kansas, 1922; M.S., in Ed., 1925; Ph.D., University of Wisconsin, 1931.

C. F. JOSEPH TOM, 1954—;
Professor of Economics and Business Administration; Chairman of the Department of Economics and Business Administration.
B.A., Hastings College, 1944; M.A., University of Chicago, 1947; Ph.D., 1963.

* Sabbatical leave, second semester, 1969-70.

**L. ELBERT WETHINGTON, 1963—;
Professor of Religion; Chairman of the Department of Religion.
B.A., Wake Forest College, 1944; B.D., Divinity School of Duke University, 1947; Ph.D., Duke University, 1949.

ASSOCIATE PROFESSORS:

HILDA M. DAMUS, 1963—;
Associate Professor of German.
M.A., University of Berlin and Jena, 1932; Ph.D., University of Berlin, 1945.

MRS. ANNA DUNKLE FABER, 1954—;
Associate Professor of English.
A.B., Lebanon Valley College, 1948; M.A., University of Wisconsin, 1950; Ph.D., 1954.

WILLIAM H. FAIRLAMB, 1947—;
Associate Professor of Piano and Music History.
Mus.B., cum laude, Philadelphia Conservatory, 1949.

ALEX J. FEHR, 1951—;
Associate Professor of Political Science; Acting Chairman of the Department of Sociology.
A.B., Lebanon Valley College, 1950; M.A., Columbia University, 1957; Ph.D., Syracuse University, 1968.

ANTONIO FELICE, 1969—;
Associate Professor of Psychology.
A.B., Temple University, 1956; A.M., 1957; Ph.D., 1961.

PIERCE A. GETZ, 1959—;
Associate Professor of Organ.
B.S., Lebanon Valley College, 1951; M.S.M., Union Theological Seminary School of Sacred Music, 1953; A.M.D., Eastman School of Music, 1967.

ROBERT E. GRISWOLD, 1960—;
Associate Professor of Chemistry.
B.S., New Bedford Institute of Technology, 1954; M.S., in Chemistry, Northeastern University, 1956; Ph.D., Massachusetts Institute of Technology, 1960.

** Sabbatical leave, first semester, 1969-70.

- THOMAS A. LANESE, 1954—;
Associate Professor of Strings, Conducting, Theory.
 B.Mus., Baldwin-Wallace College, 1938; fellowship, Juilliard Graduate School; M.Mus., Manhattan School of Music, 1952.
- KARL L. LOCKWOOD, 1959—;
Associate Professor of Chemistry.
 B.S., Muhlenberg College, 1951; Ph.D., Cornell University, 1955.
- ROBERT W. SMITH, 1951—;
Associate Professor of Music Education; Chairman of the Department of Music.
 B.S., Lebanon Valley College, 1939; M.A., Columbia University, 1950.
- FRANK E. STACHOW, 1946—;
Associate Professor of Theory and Woodwinds.
 Diploma, clarinet, Juilliard School of Music; B.S., Columbia University, 1943; M.A., 1946.
- JAMES M. THURMOND, 1954—;
Associate Professor of Music Education and Brass Instruments.
 Diploma, Curtis Institute of Music, 1931; A.B., American University, 1951; M.A., Catholic University, 1952; Mus.D., Washington College of Music, 1944.
- ELEANOR TITCOMB, 1964—;
Associate Professor of French.
 A.B., Mount Holyoke College, 1938; M.A., Middlebury College, 1943; Ph.D., Radcliffe College, 1959.
- PERRY J. TROUTMAN, 1960—;
Associate Professor of Religion and Greek; Acting Chairman of the Department of Religion, first semester.
 B.A., Houghton College, 1949; B.D., United Theological Seminary, 1952; Ph.D., Boston University, 1964.
- HARRY P. WEAST, 1967—;
Associate Professor of Education.
 B.S., University of Pittsburgh, 1937; M.Ed., 1944; D.Ed., 1953.
- ASSISTANT PROFESSORS:**
- JEANNE E. ARGOT, 1969—;
Assistant Professor of Biology.
 B.S., Moravian College, 1965; M.S., Lehigh University, 1967; Ph.D., 1969.
- JAMES O. BEMESDERFER, 1959—;
Assistant Professor of Religion; College Chaplain.
- O. PASS BOLLINGER, 1950—;
Assistant Professor of Biology.
 B.S., Lebanon Valley College, 1928; M.S., The Pennsylvania State University, 1937.
- FAY B. BURRAS, 1964—;
Assistant Professor of Mathematics.
 A.B., Lebanon Valley College, 1960; M.A., Smith College, 1961.
- VOORHIS C. CANTRELL, 1968—;
Assistant Professor of Religion.
 B.A., Oklahoma City University, 1952; B.D., Southern Methodist University, 1956; Ph.D., Boston University, 1967.
- CHARLES T. COOPER, 1965—;
Assistant Professor of Spanish
 B.S., U.S. Naval Academy, 1942; M.A., Middlebury College, 1965.
- GEORGE D. CURFMAN, 1961—;
Assistant Professor of Music Education.
 B.S., Lebanon Valley College, 1953; M.M., University of Michigan, 1957.
- ARTHUR L. FORD, 1965—;
Assistant Professor of English.
 A.B., Lebanon Valley College, 1959; M.A., Bowling Green State University, 1960; Ph.D., 1964.
- MRS. JUNE EBY HERR, 1959—;
Assistant Professor of Elementary Education.
 B.S., Lebanon Valley College, 1943; M.Ed., The Pennsylvania State University, 1954.
- MICHAEL G. JAMANIS, 1966—;
Assistant Professor of Piano.
 B.S., Juilliard School of Music, 1962; M.S., 1964.
- RICHARD A. JOYCE, 1966—;
Assistant Professor of History.
 A.B., Yale University, 1952; M.A., San Francisco State College, 1963.
- WILLIAM KERR, 1969—;
Assistant Professor of Education.
 B.A., Swarthmore College, 1950; M.A., Temple University, 1957; M.A., Montclair State College, 1962.

- ARLOTTE F. KNARR, 1966—;
Assistant Professor of Psychology.
 B.A., Lebanon Valley College, 1964; M.A.,
 Kent State University, 1966.
- S. MARY B. LEWIN, 1963—;
Assistant Professor of Mathematics.
 B.S., in Ed., Millersville State College, 1938;
 M.S., in Ed., Temple University, 1958; M.A.,
 University of Illinois, 1969.
- S. SYLVIA R. MALM, 1962—;
Assistant Professor of Biology.
 A.B., Mount Holyoke College, 1931; M.A.,
 Brown University, 1934; Ph.D., Bryn Mawr
 College, 1937.
- NOD P. MANIYAR, 1969—;
Assistant Professor of Economics.
 B.A., Gujarat University, 1956; M.A., 1959.
- MES H. MATHER, 1968—;
Assistant Professor of Psychology.
 A.B., Westminster College, 1962; M.A.,
 Bryn Mawr College, 1965; Ph.D., 1969.
- ILLIAM D. McHENRY, 1961—;
*Assistant Professor of Education; Chairman
 of the Department of Physical Education.*
- S. AGNES B. O'DONNELL, 1961—;
Assistant Professor of English.
 A.B., Immaculata College, 1948; M.Ed., Tem-
 ple University, 1953; M.A., University of
 Pennsylvania, 1968.
- ROBERT O'DONNELL, 1959—;
Assistant Professor of Physics.
 B.S., The Pennsylvania State University,
 1950; M.S., University of Delaware, 1953.
- ERNER H. PETERKE, 1967—;
Assistant Professor of Economics.
 B.S., Cornell University, 1959; M.A., Kent
 State University, 1962.
- ERALD J. PETROFES, 1963—;
Assistant Professor of Physical Education.
 B.S., Kent State University, 1958; M.Ed.,
 1962.
- MES N. SPENCER, 1967—;
Assistant Professor of Chemistry.
 B.S., Marshall University, 1963; Ph.D., Iowa
 State University, 1967.
- THONY G. ST. PIERRE, 1969—;
Assistant Professor of Physics.
 B.S., College of the Holy Cross, 1960; M.S.,
 The Pennsylvania State University, 1964;
 Ph.D., 1968.
- PAUL E. STAMBACH, 1969—;
Assistant Professor of Religion.
 A.B., Lebanon Valley College, 1952; B.D.,
 United Theological Seminary, 1955; S.T.M.,
 Lutheran Theological Seminary, 1959; Ph.D.,
 Temple University, 1969.
- DAYLE H. STARE, 1968—;
Assistant Professor of Mathematics.
 A.B., Lebanon Valley College, 1964; M.A.,
 The Pennsylvania State University, 1966.
- WARREN K. A. THOMPSON, 1967—;
Assistant Professor of Philosophy.
 A.B., Trinity University, 1957; M.A., Uni-
 versity of Texas, 1963.
- EDWARD H. WHITE, 1969—;
Assistant Professor of Sociology.
 A.B., Dickinson College, 1964; M.A., Uni-
 versity of Connecticut, 1966.
- PAUL L. WOLF, 1966—;
*Assistant Professor of Biology; Chairman of
 the Department of Biology.*
 B.S., Elizabethtown College, 1960; M.S.,
 University of Delaware, 1963; Ph.D., 1968.
- ALLAN F. WOLFE, 1968—;
Assistant Professor of Biology.
 B.A., Gettysburg College, 1963; M.A., Drake
 University, 1965; Ph.D., University of Ver-
 mont, 1968.

INSTRUCTORS:

- ROBERT A. AULENBACH, 1968—;
Instructor in Woodwinds.
 B.M., Boston Conservatory of Music, 1949.
- RICHARD C. BELL, 1966—;
Instructor in Chemistry.
 B.S., Lebanon Valley College, 1941; M.Ed.,
 Temple University, 1955.
- RONALD G. BURRICKTER, 1968—;
Instructor in Voice.
 B.M.E., Wartburg College, 1964; M.M., Pea-
 body Conservatory of Music, 1968.
- ROBERT B. CAMPBELL, 1968—;
Instructor in Woodwinds.
 B.S., Lebanon Valley College, 1954; M.M.,
 University of Michigan, 1960.

- JOHN A. CATCHINGS, 1969—;
Instructor in Strings.
 B.M., Peabody Conservatory of Music, 1969.
- MRS. KAREN W. COLEMAN, 1968—;
Instructor in English.
 B.S., Kutztown State College, 1963; M.A., Lehigh University, 1965.
- D. ROGER GAECKLER, 1969—;
Instructor in Physical Education.
 B.S., Gettysburg College, 1964.
- MRS. E. ELIZABETH GARMAN, 1964—;
Instructor in Physical Education;
Director of Athletics for Women.
 B.S., Beaver College, 1942.
- D. JOHN GRACE, 1958-59; 1961—;
Instructor in Accounting; Acting Chairman of the Department of Economics and Business Administration, second semester.
 B.S., Lebanon Valley College, 1955; C.P.C.U., 1955; C.P.A., 1957.
- MRS. GEILAN A. HANSEN, 1963—;
Instructor in Russian.
- RICHARD A. ISKOWITZ, 1969—;
Instructor in Art.
 B.F.A., Kent State University, 1965; M.F.A., 1967.
- MRS. FRANCES VERI JAMANIS, 1967—;
Instructor in Piano.
 B.S., Juilliard School of Music, 1964; M.S., 1965.
- KEITH L. KILGORE, 1969—;
Instructor in Political Science.
 A.B., Muskingum College, 1966; J.D., Ohio Northern University, 1969.
- ROBERT C. LAU, 1968—;
Instructor in Musical Theory.
 B.S., Lebanon Valley College, 1965.
- PHILIP G. MORGAN, 1969—;
Instructor in Voice.
 B.M.E., Kansas State College, 1962; M.S., 1965.
- JOHN P. RAMSAY, 1966—;
Instructor in English.
 B.A., Albright College, 1958; M.A., University of Wisconsin, 1960.

- RONALD A. ROGERSON, 1968—;
Instructor in Physical Education.
 B.S., University of Maine, 1966; M.E., Colorado State University, 1968.
- MRS. MALIN Ph. SAYLOR, 1961—;
Instructor in French.
 Fil. Kand., Universities of Upsala and Stockholm, 1938.
- GLENN H. WOODS, 1965—;
Instructor in English.
 A.B., Lebanon Valley College, 1951; M.E., Temple University, 1962.

TEACHING AIDES:

- BRIGITTE DENECK, 1969—;
Foreign Language Teaching Aide.
 LICENCE, German, University of Lille, 1966.
 LICENCE, English, University of Paris, 1966.
- CURT F. UNGER, 1969—;
Foreign Language Teaching Aide.
 C.P.A., Instituto Tecnologico y de Estudios Superiores de Monterrey; M.B.A., 1969.



VERSITY CENTER AT HARRISBURG:

E W. BOMBERGER, 1969—;
Instructor in Sociology.

A.B., Elizabethtown College, 1965; M.S.W., West Virginia University, 1967.

NCIS E. BURTNETT, 1968—;
Instructor in Psychology.

A.S., Shippensburg State College, 1962;
I.A., The George Washington University, 1965.

CHARLES O. CRAWFORD, 1967—;
Instructor in Sociology.

A.S., The Pennsylvania State University, 1956; M.S., 1958; Ph.D., Cornell University, 1963.

BERT L. DAUB, 1969—;
Instructor in Accounting.

A.S., Elizabethtown College, 1968; C.P.A., 1968.

F. EBERSOLE, 1965-66; 1968—;
Instructor in Philosophy.

A.B., Franklin and Marshall College, 1950;
A.D., Hartford Theological Seminary, 1953;
T.M., Yale University, 1960.

GEORGE A. GETTY, 1969—;
Instructor in Education.

A.S., in Education, Indiana University of Pennsylvania, 1935.

CHARLES C. JOHNSON, 1964—;
Instructor in Sociology.

A.B., University of Michigan, 1949; M.A., 1951.

MARVIN H. JONES, 1968—;
Instructor in Accounting.

A.S., Lebanon Valley College, 1968; C.P.A., 1967.

JOHN W. KENNEDY, 1962-63; 1964-65; 1966-67; 1969—;

Laboratory Assistant in Physics.

A.S., Lebanon Valley College, 1950; M.S., in Education, Temple University, 1969.

KENNETH KREIDER, 1969—;
Instructor in History.

A.A., Elizabethtown College, 1961; M.A., The Pennsylvania State University, 1962; Ph.D., 1969.

W. DEAN MANIFOLD, 1968—;

Instructor in Psychology.

B.S., Millersville State College, 1933; M.Ed., University of Maryland, 1948; D.Ed., 1954.

MRS. PATRICIA L. MARSHALL, 1969—;
Instructor in Art.

B.S., in Art Education, 1964.

SAMUEL R. McHENRY, JR., 1967—;
Instructor in History.

A.B., Grove City College, 1947; M.A., University of Pennsylvania, 1949; M.S., in Education, 1955.

DANIEL J. MENNITI, 1969—;
Instructor in Psychology.

B.A., St. Charles Seminary, 1950; S.T.B., Gregorian University, 1952; S.T.L., 1954; M.A., Catholic University of America, 1957; Ph.D., 1964.

HARRIS W. REYNOLDS, 1967—;
Instructor in Education.

B.S., in Education, Lock Haven State College, 1934; M.Ed., The Pennsylvania State University, 1940; Ed.D., 1959.

MRS. ANNETTE L. RICH, 1969—;
Instructor in Education.

B.Ed., Duquesne University, 1951; M.Ed., University of Pittsburgh, 1953; Ph.D., 1960.

VIVIAN Y. RICKABAUGH, 1969—;
Instructor in Education.

B.S., Juniata College, 1941; M.Ed., The Pennsylvania State University, 1954.

EDWARD D. SMITH, 1968—;
Instructor in Psychology.

B.S., Shippensburg State College, 1959; M.Ed., The Pennsylvania State University, 1960.

ROBERT A. SNYDER, 1969—;
Instructor in Accounting.

B.S., The Pennsylvania State University, 1964; C.P.A., 1966.

ROBERT H. TILLISCH, 1964—;
Laboratory Assistant in Biology.

B.S., in Education, Shippensburg State College, 1960; M.S., Bucknell University, 1965.

MRS. HELEN TODD, 1965-66; 1969—;
Instructor in French.

A.B., Geneva College, 1925; M.A., Middlebury College, 1928.

- JAMES H. WAGNER, 1969—;
Instructor in Accounting.
 B.A., The George Washington University, 1956; M.B.A., 1965.
- LAURENCE H. WAITE, 1964—;
Instructor in Spanish.
 A.B., Franklin and Marshall College, 1949; M.A., Columbia University, 1951.
- MRS. DIANA D. WOODWARD, 1968—;
Instructor in Philosophy.
 B.A., University of Texas, 1965; M.A., University of North Carolina, 1968.
- JOSEPH P. ZACCANO, 1960-61; 1968—;
Instructor in History.
 A.B., Dickinson College, 1954; M.A., University of Pittsburgh, 1956; Ph.D., 1961.

COOPERATING TRAINING TEACHERS:

The student teaching program is organized to give the beginning teacher as wide and varied experiences as possible.

Extreme care is used in the assignment of the cooperating teacher with the student teacher. The selection is made in a cooperative manner between the administration of the local school and the supervisor of student teaching at the College.

Student teaching in Music Education is done in the Derry Township Public Schools, the Annville-Cleona Schools and the Milton Hershey School. Student teaching in other areas of Elementary and Secondary Education is done

in schools within reasonable traveling distance of the College.

Names of cooperating teachers and subjects taught are available in the offices of the departments of Education and Music.

DEPARTMENTAL ASSISTANTS — 1969-1970

- Biology*, Laurence S. Morrison, 1970
Chemistry, Henry D. Schreiber, 1970
Economics and Business Administration, John W. Bitner, 1970
Education, Martha B. Waring, 1971
English, Paula C. Stock, 1970
Foreign Languages, Morris S. Cupp, 1970
Health and Physical Education, Robin A. Kornmeyer, 1970
History and Political Science, Glenn A. Phelps, 1970
Mathematics, Margie L. Hardenstine, 1970
Music Education, David E. Myers, 1st semester, 1970; James E. Johnston, 2nd semester, 1970
Philosophy, Anne L. Jameson, 1971
Physics, David A. Diehl, 1970
Psychology, Natalie A. Wagner, 1970
Religion, Gregory C. Myers, 1970
Sociology, George E. Zeiders, 1970

TEACHING INTERNS — 1969-1970

- English*, Craig W. Linebaugh, 1970
Mathematics, Donald W. Samples, 1970

COMMITTEES OF THE FACULTY — 1969-1970

Committee on Academic Affairs

iology, Dr. Wolf	History & Pol. Science, Dr. Geffen
hemistry, Dr. Neidig	Mathematics, Dr. Bissinger
conomics & Bus. Ad., Dr. Tom	Music, Mr. Smith
ducation, Dr. Ebersole	Philosophy, Dr. Ehrhart
nglish, Dr. Struble	Physics, Dr. Rhodes
reign Languages, Dr. Piel	Psychology, Dr. Love
ealth & Phys. Ed., Mr. McHenry	Religion, Dr. Wethington

Sociology, Dr. Fehr

Students — Rolanda M. Hofmann, Dennis G. Smith

Committee on Faculty Affairs

Dr. Rhodes	Term expires 1970
Mr. Fairlamb	Term expires 1971
Dr. Love	Term expires 1972
Mrs. O'Donnell, Chairman	Term expires 1970
Mr. Wethington	Term expires 1971

Committee on Student Affairs

Miss Burras	Term expires 1970
Mr. Getz	Term expires 1970
Mrs. Herr	Term expires 1971
Mr. Cooper, Chairman	Term expires 1971
Mr. Bell	Term expires 1972

Committee on Public Relations

Mrs. Garman	Term expires 1970
Mr. Grace	Term expires 1970
Mr. Ford, Chairman	Term expires 1971
Mr. Faber	Term expires 1971
Mr. Jamanis	Term expires 1972

Administrative Advisory Committee

Dr. Rhodes, Chairman	Term expires 1970
Dr. Love	Term expires 1971
Dr. Neidig	Term expires 1972

Chairmen of the other three committees.

Honors Council

Mr. William H. Fairlamb, Chairman; Dr. Karl L. Lockwood;
Dr. Sara E. Piel; Dr. C. F. Joseph Tom

Special advisory group to the President and Dean of the College.



GENERAL ALUMNI ORGANIZATION

*Executive Council of the Lebanon Valley
College Alumni Association—1968-1970*

OFFICERS

President

Harry L. Bricker, Jr. '50
407 North Front Street, Harrisburg, Pa. 17110

Vice President

Thomas C. Reinhart '58
41 East Court Boulevard,
West Lawn, Reading, Pa. 19609

Director of Alumni Relations

David M. Long '59
Box 97, Mt. Gretna, Pa. 17064

ELECTED MEMBERS

Miss Evalyn M. Strickler '39
1679 Grace Avenue, Lebanon, Pa. 17042
Peter P. McEvoy, Jr. '58
Tall Pines Inn, Sewell, N.J. 08080
David J. Farling '56
420 Strafford Avenue, Wayne, Pa. 19087
Lt. Col. John I. Grosnick '53
335 W. Maple Ave., Hershey, Pa. 17033

ALUMNI TRUSTEES

DeWitt M. Essick '34
43 Wabank Road, Millersville, Pa. 17551

Mrs. Gladys Buffington Holman '27
(Mrs. Edward L.)
3340 North Third Street, Harrisburg, Pa. 17110
James H. Leathem '32
610 South First Avenue,
Highland Park, N. J. 08904
F. Allen Rutherford, Jr. '37
8958 Tarrytown Rd., Richmond, Va. 23229
E. Peter Strickler '47
201 Hathaway Pk., Lebanon, Pa. 17042

PAST PRESIDENTS

Curvin N. Dellinger '38
Box 676, Lebanon, Pa. 17042
Jefferson C. Barnhart '38
306 Bahia Avenue, Hershey, Pa. 17033
E. Peter Strickler '47
201 High Street, Lebanon, Pa. 17042
Carl Y. Ehrhart '40
643 East Queen Street, Annville, Pa. 17003
Robert A. Nichols, III '41
810 Walnut Street, Lebanon, Pa. 17042

Regional Alumni Clubs

BALTIMORE AREA

President
Gustav T. Maury '40
6631 Dogwood Drive, Baltimore, Md. 212

Vice President
R. Frederick Crider, Jr. '63
4844 Reisterstown Rd., Baltimore, Md. 21215
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2nd Vice President
Darwin G. Glick '58
P.O. Box 594, Lebanon, Pa. 17042
3rd Vice President
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106 Linden Avenue, Metuchen, N.J. 08840
Robert Hoffsommer, Jr. '52
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James M. Geiselhart '52
Box 18, Ogdensburg, N.J. 07439
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Arlington, Va. 22207

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51 Hoke Street, Spring Grove, Pa. 17362

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Co-Chairman
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President
Richard W. Moller '49
19 Kimball Avenue, Wenham, Mass. 01984

Vice President
Jack W. Gregory '66
48 Amsterdam Ave., Apt. A-8
Bridgeport, Conn. 06606



DEGREES CONFERRED

DEGREES CONFERRED JANUARY 22, 1969

BACHELOR OF ARTS

Donald Potteiger Bollman, *Psychology*
James Thomas Heath III, *Philosophy*

Kenneth Henry Matz, Jr., *Political Science*
Carole Cameron Schauer, *English*
Larry Lee Schauer, *History*

BACHELOR OF SCIENCE

John Howard Bernhart, *Music Education*
Shirley Marie Deaven, *Elementary Education*
Ruth Ellen Heath, *Elementary Education*

Charlotte Harnish Pearce, *Biology*
Barbara Ruth Robertson, *Elementary Education*
Nancy Lee Robinson, *Economics and Business Administration*

BACHELOR OF SCIENCE IN CHEMISTRY

Norman Conrad Watkins

GRADUATION HONORS

SUMMA CUM LAUDE

Franklin Richard Shearer
Jan Helmut Wubbena

MAGNA CUM LAUDE

Lucille Anne Koch
Charles Maurice Schworer
William Franklin Stine, III
Barbara Ann Tezak

CUM LAUDE

Marcia Jeanne Gehris
Gregory Keith Ossmann
Linda Stroud Rothermel
Leta Leigh Tompkins

Ronald James Zygmunt

Elected to Membership

PHI ALPHA EPSILON

Honorary Scholarship Society

Gregory Keith Ossmann
Linda Stroud Rothermel
Joan Minnie Schmehl
Charles Maurice Schworer
Franklin Richard Shearer
William Franklin Stine, III
Barbara Ann Tezak
Leta Leigh Tompkins
Jan Helmut Wubbena

Ronald James Zygmunt

Joan Minnie Schmehl

Miriam Eileen Brandt
David Allan Brubaker
Carol Blatt Dunn

Agneta Saylor Bjornberg
Thomas Michael Clemens
Albert Linden Clipp
Quinetta Dianne Garbrick

Agneta Saylor Bjornberg
Miriam Eileen Brandt
David Allan Brubaker
Thomas Michael Clemens
Albert Linden Clipp
Carol Blatt Dunn
Quinetta Dianne Garbrick
Marcia Jean Gehris
Lucille Anne Koch

DEGREES CONFERRED JUNE 1, 1969

BACHELOR OF ARTS

Susan Hall Abernethy, *Psychology*
LesErik Brent Achey, *History*
Jeanne Louise Anspach, *Political Science*
Patrick Joseph Arndt, II, *Political Science*
Robert Douglas Atkinson, *Psychology*
Cecelia Margaret Baeckert, *Sociology*
Stephen Louis Barbaccia, *Political Science*
David Elwood Bartholomew, *English*
John Albert Biever, *Psychology*
Agneta Saylor Bjornberg, *Foreign Languages*
Karen Lynn Bowman, *German*
Miriam Eileen Brandt, *English*
Peter Edward Brennan, *Psychology*
Edward Robert Brown, *French*
David Allan Brubaker, *Mathematics*
Kenneth Paul Bunting, *Psychology*
John Dean Burkholder, *Mathematics*
Ronald Leslie Bush, *Psychology*
William Edward Campbell, *Mathematics*
Albert Linden Clipp, *Philosophy*
Jacque Richards DaCamara, *Political Science*
James Francis Davis, *History*
Frederick Emrey Detwiler, Jr., *Religion*
Elaine Pearce Ebersole, *Biology*
James Thomas Evans, *Political Science*
Thomas John Falato, *Spanish*
Lloyd John Fasnacht, Jr., *Sociology*
Robert Spencer Fox, *English*
Quinetta Dianne Garbrick, *Foreign Languages*
Kay Suzanne Gault, *Psychology*
Marcia Jeanne Gehris, *Music*
Robert Emanuel Graham, Jr., *Political Science*
James Walter Haslam, *History*
Nancy Louise Hendrickson, *Sociology*
Paula Kay Hess, *Sociology*
Linda Christine Hetzer, *English*
David Aaron Hoffner, *History*
Michael Richard Hollen, *Psychology*

William Stephen Zimmerman, *Psychology*

Mary Ann Horn, *Psychology*
Sandra Diane Hughes, *French*
Michael Ray Jones, *History*
Paul Stephen Kaplan, *Political Science*
Philip Edward Kehr, *English*
Benjamin Franklin Klugh, Jr., *Mathematics*
Ronald Lee Long, *Mathematics*
Carl Lyle Marshall, *Sociology*
Debora Buchanan Matz, *Sociology*
Hiddie Amisi Mbaluku, *Political Science*
Cynthia Sue Melman, *English*
Terry Allen Mills, *Religion*
William Zimmerman Moyer, *Political Science*
Marion Louise Mylly, *English*
Gregory Keith Ossmann, *English*
Gregory Alan Ott, *Religion*
Ronald Ernest Poorman, *German*
Linda Ruth Radlof, *Psychology*
Patrick Edward Rondeau, *Political Science*
Keith Jonathan Schmuck, *Religion*
Margaret Karen Shemas, *English*
Duane Elwood Shuttesworth, *Psychology*
Kenneth Levere Sipe, *History*
Dennis Ray Snovel, *Religion*
Frederick Carl Sorcsek, *Psychology*
Allen Weidner Steffy, Jr., *Sociology*
Constance Marie Stohler, *German*
Carolyn Elizabeth Thompson, *Political Science*
Rae Louise Thompson, *Psychology*
William Miller Thompson, *Religion*
Frank Michael Timlin, *Sociology*
Joseph Anthony Torre, *Mathematics*
Dennis James Tulli, *Psychology*
Debra Ann Ulrich, *Sociology*
Margaret Wright Umberger, *French*
Robert Louis Unger, *Political Science*
Jan Helmut Wubbena, *Music*
Joseph Titus Yost, *Political Science*

BACHELOR OF SCIENCE

Kerry William Althouse, *Economics and Business Administration*
Virginia Hunsicker Bachtell, *Music Education*
Leslie Farrell Bair, *Biology*
Kenneth Melvin Baker, *Biology*
Richard Edward Basta, *Economics and Business Administration*
Barry Lee Bender, *Biology*
Steven Richard Brandsberg, *Biology*

Thomas Ray Bross, *Physics*
Patricia Ann Buchanan, *Elementary Education*
Michael Jeffrey Campbell, *Music Education*
Polly Julia Carnathan, *Elementary Education*
Leslie Ann Cassat, *Biology*
Diane Florence Cerutti, *Music Education*
Joanne Cestone, *Music Education*
Thomas Michael Clemens, *Biology*
Jeffrey Lynn Conway, *Music Education*

BACHELOR OF SCIENCE

Bruce Richard Decker, *Biology*
Carol Blatt Dunn, *Elementary Education*
Maryann Eastman, *Biology*
William Burke Eisenhart, *Elementary Education*
Albert James English, Jr., *Biology*
Gregory Lee Erdman, *Economics and Business Administration*
Judy Elaine Flinchbaugh, *Economics and Business Administration*
Norman Ware Fogg, Jr., *Biology*
Dennis Lee Frantz, *Biology*
Gloria Suzanne Fultz, *Elementary Education*
Terry Lee Gehman, *Music Education*
Everett Xephus Hammacher, Jr., *Economics and Business Administration*
Jean Louise Heilman, *Music Education*
Franklin Samuel Hoch, *Music Education*
James Ronald Hoffman, *Music Education*
Fred William Hostetter, *Biology*
Lloyd David Jacobs, *Economics and Business Administration*
Robert Gregory Jennings, *Chemistry*
Margaret Louise Jones, *Elementary Education*
Charles Gregory Kachur, *Biology*
James Edward Kain, Jr., *Music Education*
Robert Rioji Kaneda, *Biology*
Nancy Marie Kauffelt, *Music Education*
Richard Wayne Kaufmann, *Economics and Business Administration*
Luanne Evelyn Kern, *Elementary Education*
Lucille Anne Koch, *Biology*
Janice Eileen Kreiser, *Music Education*
Frances Nesbitt Kulp, *Elementary Education*
Dennis Meyer Lehman, *Biology*
Mary Jane Lentz, *Elementary Education*
Lars Jackson Lovegren, *Music Education*
John Douglas Maclary, Jr., *Biology*
Robert Kenneth Manning, *Economics and Business Administration*
Jean Kent McClelland, *Music Education*
Cheryl Lynn McCrary, *Music Education*
Stephen Craig Mefferd, *Biology*

Douglas Robert Winemiller, *Music Education*

Robert James Melfy, *Music Education*
William Hartman Miller, *Biology*
Dennis Arthur Misal, *Biology*
Grant Telfer Nicholls, *Elementary Education*
Paul David O'Hara, *Physics*
Patricia Ann Pingel, *Biology*
Anne Louise Prescott, *Economics and Business Administration*
Sherrie Ptacek, *Elementary Education*
Deborah Ann Rhawn, *Elementary Education*
Frank Lambert Rice, *Biology*
Linda Stroud Rothermel, *Music Education*
Mitzi Jean Sans, *Elementary Education*
Dale Charles Schimpf, *Music Education*
Barrie Edmund Schmid, *Economics and Business Administration*
Charles Maurice Schworer, *Biology*
Franklin Richard Shearer, *Economics and Business Administration*
Alan Eugene Shenk, *Economics and Business Administration*
Shirley Ann Sherman, *Elementary Education*
Noel Gerard Slonaker, *Biology*
Eleanor Marie Smith, *Biology*
Ronald Jay Smith, *Biology*
Jeffrey Lynn Spangler, *Music Education*
John Charles Spangler, *Music Education*
David Lee Stanilla, *Economics and Business Administration*
George Anderson Stauffer, Jr., *Economics and Business Administration*
William Franklin Stine, III, *Music Education*
Ida Louise Stitt, *Music Education*
Nina Eleanor Tafel, *Music Education*
Barbara Ann Tezak, *Music Education*
Leta Leigh Tompkins, *Elementary Education*
Barbara Jane Turkington, *Elementary Education*
Diane Aldinger Vaszily, *Biology*
Joan Louise Weber, *Elementary Education*
Carlin Lee Wenger, *Biology*
Richard Allen West, *Biology*
Barbara Cutler White, *Chemistry*

BACHELOR OF SCIENCE IN CHEMISTRY

Lucille Patricia Dunne
Linn David Eisenhower
Gary Donnell Frederick
Karl Edward Guyler
Nobuko Matsui

Robert Samuel McQuate
Thomas Allan Micka
Jack Richard Reid
Joan Minnie Schmehl
Ronald Bernard Shaffer

Daniel James Subach
Larry Robert Taylor
Janice Rae West
Ronald Gilbert Yarger
Ronald James Zygmunt

BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY

Ann Richard Brennan
Doris Elaine Bryden

Rhoda Louise Graybill
Joan Vonhauser Heagy

Helen Elizabeth Templin
Diane Esther Urick

BACHELOR OF SCIENCE IN NURSING

Anne Marie Boyle
Barbara Ann Holmes

Sue Ellen Kauffman
Jonalyn Knauer

COLLEGE HONORS

Jan Helmut Wubbena

Carol Blatt Dunn

DEPARTMENTAL HONORS

Robert Samuel McQuate	In Chemistry
Jack Richard Reid	In Chemistry
Larry Robert Taylor	In Chemistry
Franklin Richard Shearer	In Chemistry
Carol Blatt Dunn	In Economics
Sandra Diane Hughes	In Elementary Education
David Allan Brubaker	In French
Jan Helmut Wubbena	In Mathematics
Thomas Ray Bross	In Music
Ray Louise Thompson	In Physics
	In Psychology

HONORARY DEGREES

Conferred June 1, 1969

J. Gordon Howard	Doctor of Divinity
John H. Moyer, III	Doctor of Science
Vaclav Nelhybel	Doctor of Music
Juanita Kidd Stout	Doctor of Law

DEGREES CONFERRED AUGUST 29, 1969

BACHELOR OF ARTS

Alan James Balma, *Mathematics*
Charles Gregory Erff, *Psychology*
Diane Giovanis, *Sociology*
Edwin Charles Kisiel, Jr., *English*
Carl Richard Layne, *English*

William David Sharrow, *Music*
Susan Rutherford Scheckart Stanson, *Sociology*
James Thomas Wenrich, *Philosophy*
Susan May Woodbury, *English*
Karl Michael Zimmerer, *English*

BACHELOR OF SCIENCE

Ronald Wilbur Heck, *Music Education*
Lynn Alison Marlatt, *Elementary Education*
Louise Long Rahalewich, *Elementary Education*

William Eugene Shenenberger, *Music Education*
Harold Joseph Todd, *Economics and Business Administration*

BACHELOR OF SCIENCE IN CHEMISTRY

George Robert Moyer



STUDENT AWARDS, 1969

SENIOR AWARDS

PHI BETA KAPPA PRIZE —

Jan Helmut Wubbena, Dover, Del.

Established in 1968 by the Phi Beta Kappa Faculty Group of Lebanon Valley College. Awarded to a senior who best measures up to the standards of scholarship and character set by the National Society.

BAISH MEMORIAL HISTORY AWARD —

LesErik Brent Achey, Lebanon

Established in 1947 in memory of Henry H. Baish by his wife and daughter, Margaret. Awarded to a member of the Senior Class majoring in history; selected by the Chairman of the Department of History and Political Science on the basis of merit.

ANDREW BENDER MEMORIAL CHEMISTRY AWARD —

Jack Richard Reid, Berwyn

Larry Robert Taylor, Red Lion

Established in 1952 by the Chemistry Club of the College and alumni. Awarded to an outstanding senior majoring in Chemistry.

THE SALOME WINGATE SANDERS AWARD IN MUSIC EDUCATION —

William Franklin Stine, III, York

Established in 1957 by Robert Bray Wingate, Class of 1948, in honor of his grandmother, Salome Wingate Sanders. Given annually to the senior who exemplifies excellent character, potential usefulness, high academic standing, and who evidences loyalty to his Alma Mater.

THE DAVID E. LONG MEMORIAL MINISTERIAL AWARD —

William Miller Thompson, Lebanon

Established in 1956 by the Reverend Abraham M. Long, Class of 1917, in memory of his father, the Reverend David E. Long, Class of 1900. This award is given annually to a student preparing for the ministry, selected by the members of the Department of Religion on the basis of merit.

Pi GAMMA MU SCHOLARSHIP AWARD —

Franklin Richard Shearer, Wernersville

Authorized by the National Social Science Honor Society Pi Gamma Mu, incorporated and established at Lebanon Valley College in 1948 by the Pennsylvania Nu Chapter of the Society for the promotion of scholarship in the Social Sciences. Granted upon graduation to a senior member of Pennsylvania Nu Chapter, selected by the Chapter's Executive Committee, for outstanding scholarship in economics, government, history, or sociology, and high proficiency or other distinction attained in pursuit of same during his or her years at the college.

THE PENNSYLVANIA INSTITUTE OF CERTIFIED PUBLIC ACCOUNTANTS AWARD —

Kerry William Althouse, Shoemakersville

Awarded to a senior on the basis of accounting grades and qualities of leadership on campus.

ACHIEVEMENT SCHOLARSHIP AWARD IN ECONOMICS AND BUSINESS ADMINISTRATION —

Kerry William Althouse, Shoemakersville

Everett Xephus Hammacher, Annville

Mark George Holtzman, III, Harrisburg

Franklin Richard Shearer, Wernersville

George Anderson Stauffer, Jr., Swarthmore

Awarded to a student majoring in Economics and Business Administration for outstanding scholarship in Economics and Business Administration and for good campus citizenship. Established in 1965 by the People's National Bank of Lebanon.

THE WALLACE-LIGHT-WINGATE AWARD IN LIBERAL ARTS —

Frank Lambert Rice, Whiting, N.J.

Established in 1967 by Robert Bray Wingate, Class of 1948, in honor of Dr. P. A. W. Wallace and Dr. V. E. Light. Given annually to the senior student who best exemplifies the aims of liberal arts education, namely a broad interest and training in both the arts and sciences.

THE HARRISBURG CHAPTER OF THE NATIONAL ASSOCIATION OF ACCOUNTANTS AWARD —

Franklin Richard Shearer, Wernersville

Stuart Gardner Schoenly, Collegeville

Granted to the student demonstrating outstanding achievement in the introductory accounting courses.

The award consists of a student subscription to *NAA Bulletin* and Research Reports of the NAA.

SOUTHEASTERN PENNSYLVANIA SECTION, AMERICAN CHEMICAL SOCIETY AWARD —

Jack Richard Reid, Berwyn

Larry Robert Taylor, Red Lion

Presented to the outstanding senior Chemistry major in each of the colleges in the area based on demonstrated proficiency in Chemistry. The award consists of a book entitled *A German-English Dictionary for Chemists*.

THE M. CLAUDE ROSENBERY MEMORIAL AWARD —

Janice Eileen Kreiser, Harrisburg

Given to an outstanding senior in Music Education who is entering the teaching field in the State of Pennsylvania, and who has demonstrated unusual ability and promise as a potential teacher.

B'NAI B'RITH AMERICANISM AWARD —

John Dean Burkholder, Lititz

Awarded to a member of the graduating class who throughout the year by his actions best exemplified the philosophies of our American Democracy — those precepts of tolerance — brotherhood, citizenship, respect for his fellow students regardless of race, color or creed; one who abhors prejudice and discrimination among who by his very actions has earned the respect and admiration of his fellow students by putting into practice the very tenets taught to all of us in our institutions of learning for the sole purpose of making this, our country, a better land in which to live.

GOVERNOR JAMES H. DUFF AWARD —

John Dean Burkholder, Lititz

Established in 1960 by Governor James H. Duff (Pennsylvania) to promote interest in state government.

Awarded annually to a senior who by participation in campus government or in debating demonstrates facility and interest in government service.

THE SIGMA ALPHA IOTA HONOR CERTIFICATE AWARD —

Marcia Jeanne Gehris, Reading

Awarded to the senior music major with the highest scholastic average over her four years of study. The award consists of an honor certificate.

DUTSTANDING SENIOR OF DELTA ALPHA CHAPTER, SAI —

Linda Stroud Rothermel, Havertown

Awarded by the Philadelphia Alumnae Chapter of Sigma Alpha Iota to the girl selected by her sister members as the outstanding senior of Delta Alpha Chapter. The award consists of a life subscription to *Pan Pipes*, the fraternity magazine.

THE CHUCK MASTON AWARD —*

George Anderson Stauffer, Jr., Swarthmore

Established in 1952 by the Knights of the Valley. This award is made annually to a male member of a varsity team who has displayed the exceptional qualities of sportsmanship, leadership, cooperation, and spirit.

THE JOHN F. ZOLA ATHLETIC AWARD —*

Joseph Anthony Torre, Annville

Established in 1962 by the L V Varsity Club. To be awarded to the football player showing qualities of desire, attitude, sportsmanship, and initiative — the qualities that John displayed. This award is open to members of all classes and the winner is elected by the members of the football team.

CHILDHOOD EDUCATION CLUB AWARD —

Carol Blatt Dunn, Leesport

An award to an outstanding student majoring in Elementary Education who has demonstrated qualities of character, scholarship, leadership, and service, and who has successfully completed one semester of student teaching.

WHO'S WHO IN AMERICAN UNIVERSITIES AND COLLEGES —

Miriam Eileen Brandt, Lebanon

David Allan Brubaker, Carlisle

John Dean Burkholder, Lititz

Thomas Michael Clemens, Lebanon

Albert Linden Clipp, Hagerstown, Md.

Gary Donnell Frederick, Lyons, N.Y.

Marcia Jeanne Gehris, Reading

Nancy Louise Hendrickson, Middletown, N.J.

Sandra Diane Hughes, Palmyra

Virginia Lee Hunsicker, Perkasie

Deborah Ann Rhawn, Catawissa

Frank Lambert Rice, Whiting, N.J.

Barbara Ruth Robertson, Springfield

Linda Stroud Rothermel, Havertown

William David Sharro, Williamsport

Dennis Ray Snovel, Perkasie

Jan Helmut Wubbena, Dover, Del.

Ronald James Zygmunt, Laureldale

Recognition in *Who's Who Among Students in American Universities and Colleges* is awarded annually on the basis of grades, personal character, and campus leadership. Final selection is made by the publishers.

GENERAL AWARDS

LUMNI SCHOLARSHIPS AWARDS —

Phyllis Caroline Bacher, Drexel Hill

Lucille Ada Bowen, Manchester

Theresa Ann Cook, Coatesville

Georgia Mosely Thompson, West Hartford, Conn.

These awards, authorized by the Lebanon Valley College Alumni Association in June, 1953, were established with the resources of the alumni Life Membership Fund. These scholarships are granted annually to deserving students on the basis of character, academic achievement, and need; the recipients of these scholarships to be designated Alumni Scholars.

Not always awarded to seniors.

MAUD P. LAUGHLIN SOCIAL SCIENCE SCHOLARSHIP AWARD —

Glenn Alan Phelps, Ellicott City, Md.

Daniel Jay Womer, Lebanon

Awarded in recognition of excellence in scholarship, academic progress, campus citizenship, service to the institution, participation in extra-curricular activities.

JOHN F. ZOLA MEMORIAL SCHOLARSHIP AWARD —

Thomas Eugene Whittle, Highspire

Awarded by the Knights of the Valley to a full-time student, on the basis of character and financial need.

THE BIOLOGICAL SCHOLARSHIP AWARD —

Nancy Ann Swenson, Hohokus, N.J.

Established in 1918 by alumni and friends. Awarded annually by the Chairman of the Department of Biology on the basis of merit.

MEDICAL SCHOLARSHIP AWARD —

William Thomas MacNew, Jr., Media

Established in 1918 by alumni and friends. Awarded annually on the basis of merit.

PHI LAMBDA SIGMA SCHOLARSHIP AWARD —

Donald Ray Bechtel, Graterford

Established in 1962 by Phi Lambda Sigma and awarded on the bases of need, academic achievement, and outstanding service to the organization.

BRADFORD CLIFFORD ALBAN MEMORIAL SCHOLARSHIP —

Lloyd Raymond Helt, Jr., Sacramento

Established in 1964 by Phi Lambda Sigma and awarded on the basis of need, academic achievement, and contribution to the goals of the College.

THE WOMAN'S CLUB OF LEBANON SCHOLARSHIP AWARD —

Dorothy Ellen Fine, Annville

An award given annually by the Woman's Club of Lebanon to a person from Lebanon County enrolled as a full-time student; the choice to be based on financial need, scholarship, and character.

ALICE EVERE BURTNER MEMORIAL AWARD —

Rolanda Mae Hofmann, Waynesboro

Established in 1935 in memory of Mrs. Alice Evers Burtner, Class of 1883, by Daniel E. Burtner, Samuel Evers, and Evers Burtner. Awarded to an outstanding member of the Junior Class selected by the faculty on the basis of scholarship, character, social promise, and need.

DELTA ALPHA CHAPTER OF SIGMA ALPHA IOTA AWARD —

Linda Beth Henderson, Maywood, N.J.

Established in 1963 in memory of Marcia M. Pickwell, instructor in piano. Given annually to a sophomore or junior woman student majoring in music; selected on the basis of need, musicianship, and future promise in her chosen profession.

STUDENT PENNSYLVANIA STATE EDUCATION ASSOCIATION AWARD —

Not awarded in 1969

Established in 1967 by the local chapter of the Student Pennsylvania State Education Association. Given to a member on the bases of service to the organization and portrayal of qualities necessary for successful teaching.

WALL STREET JOURNAL AWARD —

Franklin Richard Shearer,

Established in 1948 by *The Wall Street Journal* for distinguished work in the Department of Economics and Business Administration. The award consists of a silver medal and a year's subscription to *The Wall Street Journal*.

SOPHOMORE ACHIEVEMENT AWARD IN CHEMISTRY —

Paul Theodore Lyter, Harrisburg

Awarded to a member of the sophomore class majoring in chemistry who has demonstrated outstanding work in the field of Chemistry. This award was originated by the Student Affiliate Chapter of the American Chemical Society.

SOPHOMORE PRIZE IN ENGLISH LITERATURE —

Anita Jean Meiser, Hershey

Priscilla Lenore Roth, Sinking Spring

Jane Colette Snyder, Pottstown

Daniel Jay Womer, Lebanon

Established by the Class of 1928. Awarded to the three best students in Sophomore English, taking into account scholarship, originality, and progress.

PHYSICS ACHIEVEMENT AWARD —

Ross Wesley Ellison, Hershey

Awarded to the outstanding student of the freshman or sophomore class in the First Year Physics course. The award consists of a copy of the "Handbook of Chemistry and Physics."

THE MAX F. LEHMAN MEMORIAL MATHEMATICS PRIZE —

Masaji Yoshida, Tokyo, Japan

Established by the Class of 1907, in memory of a classmate. Awarded to that member of the freshman class who shall have attained the highest standing in mathematics.

FLORENCE WOLF KNAUSS MEMORIAL AWARD IN MUSIC —

Carol Ann Riccaboni, Bethlehem

Awarded annually to the freshman girl who displays the following basic qualities: (1) musicianship with performing ability; (2) reasonably high academic standing; (3) cooperation, dependability, and loyalty to the college.

MATHEMATICS ACHIEVEMENT AWARD —

Beck Diane Huber, Trumbauersville

Donald Wayne Samples, Lewisberry

Awarded to a student in calculus on the bases of achievement, progress and industry. The award consists of a copy of the new edition of the Chemical Rubber Company's book on "Standard Mathematics Tables."

FRESHMAN ACHIEVEMENT AWARD IN CHEMISTRY —

Elizabeth Annette Robinson, Mechanicsburg

Awarded to a member of the freshman class majoring in chemistry who has demonstrated outstanding work in the field of chemistry. This award was originated by the Student Affiliate Chapter of the American Chemical Society.

FRESHMAN GIRL OF THE YEAR AWARD —

Lucille Ida Bowen, Haledon, N.J.

Given annually by the Resident Women's Student Government to the outstanding freshman girl on the basis of scholarship, leadership, campus citizenship, and personality.

SIGMA ALPHA IOTA — THE DEAN'S HONOR AWARD —

Mary Patricia Horn, York

Awarded to a member of Delta Alpha Chapter on the basis of scholarship, musicianship and fraternity service and in recognition of her outstanding achievement and contribution to the fraternity.

SIGMA ALPHA IOTA SCHOLARSHIP AWARD —

Nancy Jean Hollinger, Lancaster

Awarded annually by the Philadelphia Alumnae Chapter of Sigma Alpha Iota to a junior member of Delta Alpha Chapter on the basis of talent and need.



PICKWELL MEMORIAL MUSIC AWARD —

Eileen Jeannette Koch, Havertown

Established in 1963 in memory of Marcia M. Pickwell, faculty member of the Department of Music.

Awarded annually to a junior music major who has demonstrated outstanding pianistic ability and promise.

ACHIEVEMENT SCHOLARSHIP AWARD IN ECONOMICS AND BUSINESS ADMINISTRATION —

(see Senior Awards)

Awarded to students majoring in Economics and Business Administration for outstanding scholarship in economics and business administration and for good campus citizenship. Established in 1965 by the People's National Bank of Lebanon, Pennsylvania.

LA VIE COLLEGIENNE AWARD —

Lydia Mae Kauffman, Codorus

Albert Ernest Schmick, III, Hummelstown

The *LA VIE COLLEGIENNE* Award, established in 1964 by the Rev. Bruce C. Souders '44, a former editor of *LA VIE COLLEGIENNE*, seeks to acknowledge the contribution of students to good campus public relations through leadership and responsibility in the publication of the campus newspaper. It is awarded annually to an upperclassman and to a freshman on the staff of the newspaper.

AMERICAN ASSOCIATION OF TEACHERS OF SPANISH AND PORTUGUESE AWARD —

Deborah Sherman Groff, Mt. Gretna

Elizabeth Catherine Stachow — Annville

Established in 1968, this medal is awarded (according to the American Association of Teachers of Spanish and Portuguese) by the Department of Foreign Languages, to a Spanish student who in a minimum of 2 year's regular work has achieved real excellence.

FOREIGN LANGUAGE ACHIEVEMENT AWARDS —

French: Deborah Sherman Groff, Mt. Gretna

Elizabeth Annette Robinson, Mechanicsburg

German: Connie Jean Brocious, Timblin

Dorothy Resta Hartman, Harrisburg

Joseph Peter Klutz, Mechanicsburg

Constance Marie Stohler, Quentin

Spanish: Elizabeth Cathérine Stachow, Annville

GERMAINE BENEDICTUS MONTEUX MUSIC AWARD

Allison Christine Smith

Established in 1968 by Denise Monteux Lanese in memory of her mother, Germaine Benedictus Monteux. This award is given annually to a sophomore or junior student majoring in music or music education as designated by the Department of Music on the bases of outstanding personal attitudes, effort, and progress in musical development, and need.

CORRESPONDENCE DIRECTORY

TO FACILITATE PROMPT ATTENTION, INQUIRIES SHOULD BE ADDRESSED AS INDICATED BELOW:

Matters of General College Interest	President
Academic Program	Vice President and Dean of the College
Admissions	Director of Admissions
Alumni Interests	Director of Alumni Relations
Business Matters, Expenses	Vice President and Controller
Campus Conferences	Coordinator of Conferences
Development and Bequests	Director of Development
Evening and Summer Schools	Director of Auxiliary Schools
Financial Aid to Students	Student Financial Aid Officer
Placement:	
Teacher Placement	Director of Teacher Placement
Business and Industrial	Director of Industrial Placement
Publication and Publicity	Director of Public Relations
Religious Activities	Chaplain
Student Interests	Dean of Men or Dean of Women
Transcripts, Academic Reports	Registrar

ADDRESS ALL MAIL TO:

Lebanon Valley College
Annville, Pennsylvania 17003

DIRECT ALL TELEPHONE CALLS TO:

Lebanon Valley College
Annville, Pennsylvania
Area Code 717 Local Number 867-3561

REGULAR OFFICE HOURS FOR TRANSACTING BUSINESS:

College office hours are from 8:30 a.m. to 12:00 noon and 1:00 p.m. to 5:00 p.m. Monday through Friday. Members of the staff are available for interviews at other times if appointments are made in advance.

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